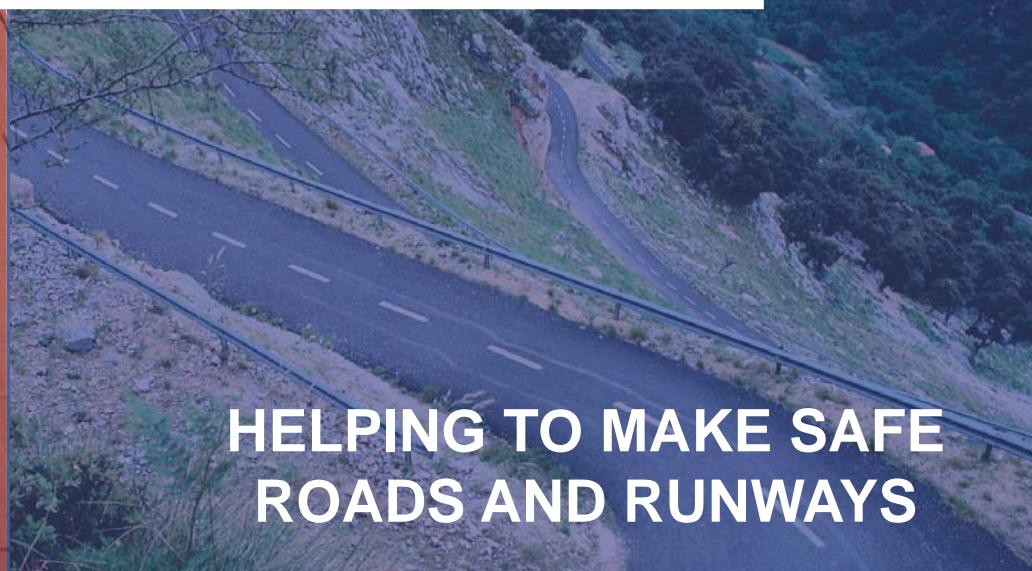
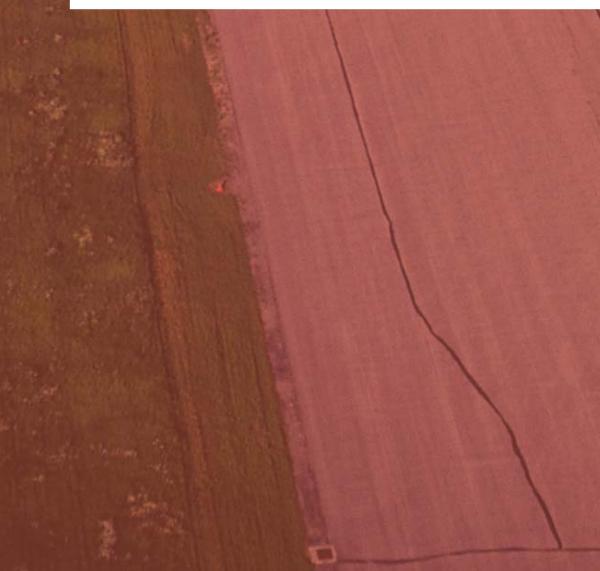
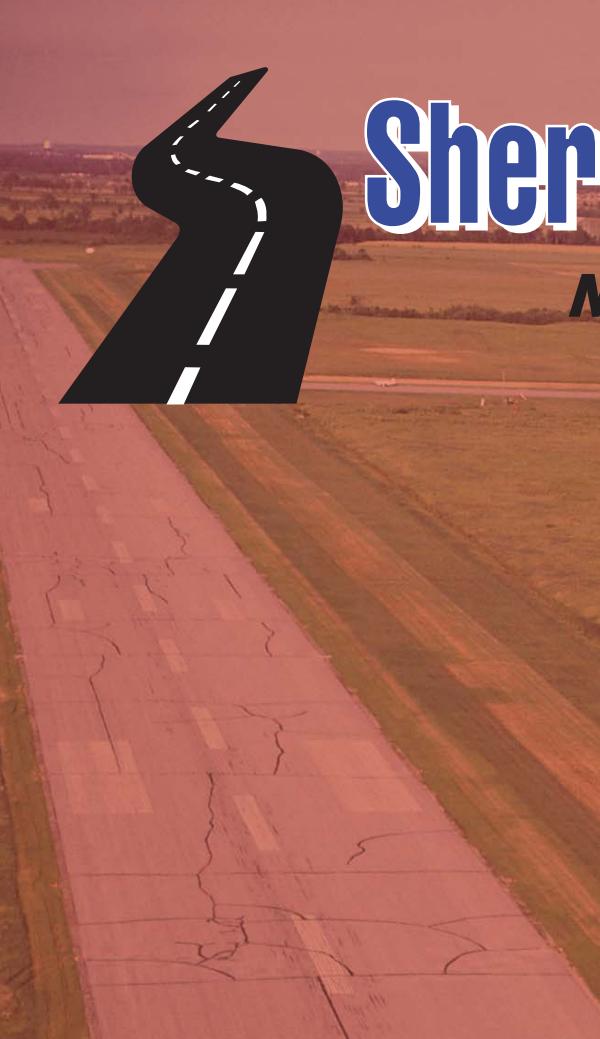


Sherwin Industries, Inc.

MILWAUKEE, WISCONSIN
ESTABLISHED 1938



**HELPING TO MAKE SAFE
ROADS AND RUNWAYS**

About Sherwin Industries, Inc.

Sherwin Industries, Inc. became a corporation in 1938 and today Sherwin is in its fourth generation of ownership. Sherwin is divided into four divisions; asphalt and sealcoat manufacturing, distribution of pavement maintenance products, airport runway support, and airfield marking installation. We have added many different products to our catalog over the years, and continue to look for dependable and reliable items and services to offer our customers. Sherwin Industries is committed to serving our customers with quality products and excellent customer service. We have sales offices and dealer locations throughout the continental United States, England, and Hawaii to better serve each and every customer.



Good Seal Products

A Division of Sherwin Industries, Incorporated

Sherwin Industries has been proudly serving County Highway Departments, City DPW's, Towns, Villages, DOT's, Highway Contractors, Sealcoat Contractors, and Airports for decades.

Sherwin Industries also takes employee satisfaction very seriously. We have several members of our team that have been employed at Sherwin for over 20 years.

From everyone at Sherwin Industries, Inc. we want to thank you for your business, and look forward to working with you for many years to come!

Sherwin Industries, Inc. Airport Runway Support



MILWAUKEE, WISCONSIN
WWW.SHERWININDUSTRIES.COM

We are proud to be
an American
Company.



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Jennifer Larsen

Shayna Schultz

North Eastern WI Office Staff

Patty Zepnick

OFFICE LOCATIONS

Corporate Headquarters

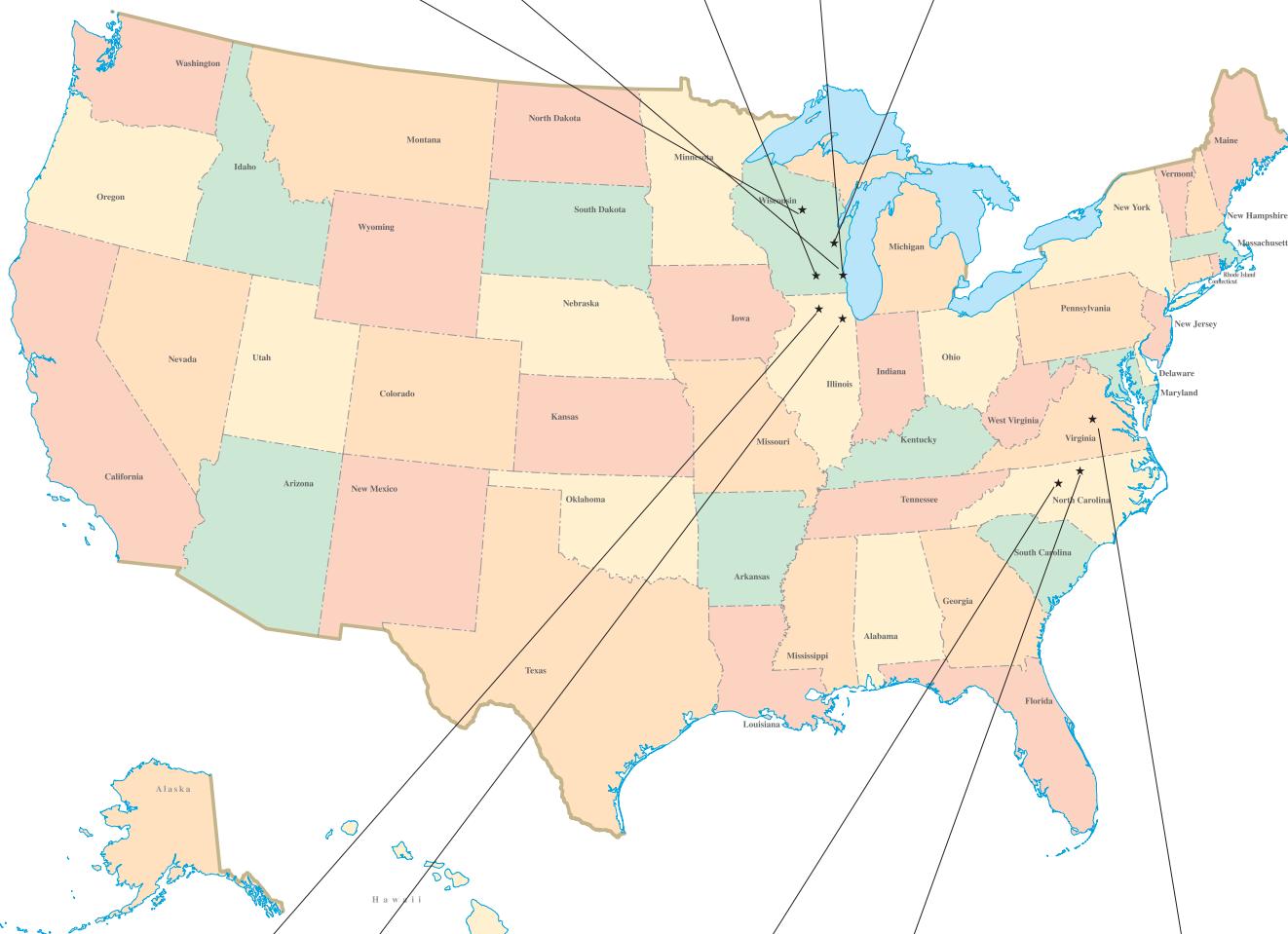
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Kevin Doss
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Sherwin Industries, Inc.

2129 W. Morgan Avenue
Milwaukee, Wisconsin 53221
Office: (414) 281-6400 or (800) 525-8876

Austad & Son, Inc.

905 Dempsey Road
Madison, Wisconsin 53714
Office: (608) 661-4600

Good Seal Products

2129 W. Morgan Avenue
Milwaukee, Wisconsin 53221
Office: (414) 284-4900

Jack & Dick's

975 S. Jackson St. (At Delavan)
Janesville, Wisconsin 53545
Office: (608) 752-3058

North Carolina

Sherwin Industries, Inc.

325-101 Habersham
High Point, North Carolina 27260
Office: (336) 342-4550

Furniture City

2325 E. Kivett Drive
High Point, North Carolina 27260
Office: (336) 869-8376

Indiana

Glenrock, Inc.

5500 W. 96th Street
Zionsville, Indiana 46077
Office: (414) 281-6400

Virginia

Bermuda Distribution, Inc.

12511 Bermuda Triangle Road
Chester, Virginia 23836
Office: (804) 748-6385

Arizona Dealer

JT Industries

20977 N. 81st Drive
Peoria, AZ 85382
Office: (623) 606-2373
Fax: (623) 979-1574

UK/ENGLAND

Bowmonk Limited
Ernie Hill
Diamond Rd, St. Faith's Industrial
Estate
Norwich, Norfolk NR66AW
Office: 011-44-1603-485153
Fax: 011-44-1603-418150

International Dealers

Hawaiian Islands & Pacific RIM

Frank Young & Lisa Young Hunt
120 Kapalulu Place
Honolulu, Hawaii 96819
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Fax: (808) 834-4690



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Phone: (414) 281-6400

Austad & Son, Inc.

Austad & Son, Inc.
905 Dempsey Road
Madison, Wisconsin 53714
Phone: (608) 661-4600

A map of the United States showing state boundaries and names. The states are colored in various shades of orange, yellow, and green. A large black arrow points from the state of Michigan towards the state of Virginia.

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Furniture City

Furniture City
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High Point, North Carolina 27260
Phone: (336) 869-8376

Bermuda Distribution, Inc.

Bermuda Distribution, Inc.
12511 Bermuda Triangle Rd.
Chester, Virginia 23836
Phone: (804) 748-6385

RENTAL EQUIPMENT

<u>PART #</u>	<u>DESCRIPTION</u>
G1007R	Sealer Tanks 300, 500 gallon
*S0062R	Crafco Model 200 Pavement Cutter with Electric Clutch <i>Note: With rental of all pavement cutters (routers) the customer must purchase all cutters, pins and spacers from renter.</i>
*S0063R	Trailer Mounted Infrared Heater <i>Note: With rental, customer must purchase propane from renter.</i>
*S0064R	Crafco Melter Applicator
*S0068R	Falcon Trailer Mounted 2-Ton Diesel Fired Hot Box
*S0069R	Crafco Patcher II for Poly Patch and Tech Crete Material Trailer Mounted with Diesel Burner <i>Note: All rentals are plus gas, diesel or propane where required.</i>
*S0071R	Flat Bed Trailer for Equipment
*S0072R	Four Ton Capacity Dump Trailer
*S0073R	Hot Air Lance - used for properly cleaning and drying cracks prior to sealing
*S0074R	Graco GrindLazer - For Traffic Paint, Thermoplastic and Epoxy Line removal, smoothing uneven concrete or asphalt surfaces
*S0075R	Graco FieldLazer - Designed for Athletic Field Markings
S1701R	Rental of Lighted Runway Closure Marker (RCM)
*S53010R	Pre Mark Torch
SG1247R	Walk Behind High Output Blower
SSMDSS	Sherwin Portable 12 Volt Spray System for application of Star Seal Concrete Penetrating Sealers

Note: All rental equipment must be returned clean and in working order otherwise a service fee for clean up and repair will be charged to the renter. All customers who rent must have liability insurance coverage to rent equipment, and name Sherwin Industries, Inc. as additional insured for full value of rented piece of equipment. Proof of insurance is required; and all customers who rent must sign a rental agreement. Renter must have proper size vehicle and tow equipment to tow rental equipment. Sherwin Industries, Inc. has the right to refuse rental if tow vehicle is not large enough, and correct for towing.

Hand agitated and spray systems available.

***Please call for availability on above units.**



EZ Series II Melter/Applicators

The High Efficiency Melter

The all new **EZ Series II** is the fourth generation of Crafco melters. The EZ Series II has taken the best of the EZ-Pour, added a heated hose and electronic controls, making it the highest efficiency machine available. Automatic electronic controls and modular design features add to the usability of the Series II. We have the highest heat efficiency ratio and the fastest heat up time of any machine on the market.

The all new EZ Series II offers heated or unheated applicator hose options, the largest commercial air compressor, as well as such labor saving options as the

autoloader and integrated engine gauges. The heat jacket fins and the heat tower, with the best insulation, provide a fast heat-up and recovery time.

The two inch rugged sealant pump with true on demand pumping give the Series II the ability to apply hot pour, fiber and coal tar sealants quickly and efficiently.

Take your crack sealing into the 21st century and give the all new EZ Series II melter applicator a try. They are available today from your local Crafco Distributor.



OPTIONS

- Engine Cover
- Gravity Feed
- Arrow Board Kit
- Surge Brakes
- Engine w/ Gauges
- Autoloader
- 50, 70, CFM Compressor
- Custom Paint
- Hitch Selection
- Electric Pin Selection

- Hitch Extension
- Cab Brake Control
- Break-away Battery w/ charger
- Locking Battery Box
- Light Bar
- Overnight Heater
- Fire Extinguisher
- Tool Box
- Safety Hooks
- Mud Flaps
- Spare Tire Kit



Low Profile / Low Center of Gravity

The EZ Series II features a galvanized, corrosive resistant jacket painted with a two part Dupont™ epoxy paint. Under the jacket, surrounding the tank, is a high efficiency flexible blanket insulation. The frame is of a one piece construction.



EZ Series II 500



EZ Series II 1500



Webbed Reinforced Welded Frame

Single piece constructed frame for balance, durability and towing ease.



Rear Control Box

All controls are in one location at the rear of the unit. Functions include all engine controls, heated hose with lockouts, and pump flow control.



Recirculation on Switch

Provides true "on-demand" pumping for extended pump life, lower operating costs, and less down time.



Removable Burner Box

Side access for easy servicing and new high efficiency insulation.



Heat Chamber

Features a heat damper to control the temperature and 20 GPM 2" sealant pump.

Super Shot Melter Applicators

Crafco Super Shot Melter/Applicators **Engineered Performance** answers todays challenges of high energy costs and small budgets with innovative features. Available in three sizes to match budgets and job criteria. Super Shot machines get the job done, and get the job done right, quick and economical. No other machine on the market today can match Crafco's Engineered Performance System Machines.

Engineered Efficiency. Crafco's Super Shot engineered pump is mounted inside the melter, eliminating material recirculation, outside plumbing and high-pressure lines, which decreases pump wear. By eliminating the need for re-circulation the pump runs only when material application is needed making this an "on demand" system which increases pump life and operator safety.

Additionally, an internally mounted pump requires no packing eliminating maintenance. Less maintenance in the shop means more production on the job, more profit and less costs.

Engineered Options and Features. Standard Engineered Features make the operation of these melters the safest and the easiest machines to operate. Many of the other features reduce labor and operating costs. The most impressive are the Super Shot Melter Engineered Options. Design the machine you want with these options. Add an optional industrial air compressor and save the cost of running an additional engine and tow vehicle. With over 20 available options you will save time, money and man power.





Super Shot 125



Super Shot 60



Super Shot 250

SUPER SHOT 60

SUPER SHOT 125

SUPER SHOT 250

Dimensions - 110.25" L / 62.00" W / 72.00" H	- 138.25" L / 68" W / 83.25" H	- 174.00" L / 91.25" W / 81.00" H
Shipping Weight - 2,085 lbs / 945.7 kg. - Actual	- 38001 lbs / 1,724 kg. - Actual	- 5,457 lbs / 2,456 kg. - Actual
Gross Weight - 5,800 lbs. / 2,631 kg. - Approx.	- 5,100 lbs / 2,313 kg - Approx.	- 7,957 lbs / 3,609 kg - Approx.
Material Capacity - 60 Gal. / 227 liter	- 132 Gal. / 500 liter	- 250 Gal. / 946 liter
Melt Rate - 480 lbs/hr	- 900 lbs/hr	- 1,700 lbs/hr
Heat Transfer Oil - 21 Gal / 79 liter	- 34 Gal / 128 liter	- 49 Gal / 185 liter
Tank Construction - Double Boiler	- Double Boiler	- Double Boiler
Tank Opening - 12.25" X 15" / 311.15mm X 381mm	- 14" X 18" / 355.6mm X 457.2mm	- 16" X 24" / 457.2mm X 609.6mm
Loading Height - 50 in. / 127 cm	- 58.0 in. / 147.3 cm	- 58 in. / 147.3 cm
Heat Input - 180,000 Btu	- 290,000 Btu	- 290,000 Btu
Diesel Fuel Capacity	- 26 Gal. / 121 Liter	- 32 Gal. / 121 Liter
Propane Capacity - 100 lbs. / 45.3 kg		
Hydraulic Oil Capacity - 26 Gal. / 98 Liter	- 21 Gal. / 79 Liter	- 26 Gal. / 98 Liter
Engine Standard - Kohler Mod. Ch205 20HP @ 3600 RPM	- Three Cyl. Isuzu Mod 3CB1 25.4 BHP @ 3,000 RPM	- Three Cyl. Isuzu Mod 3CB1 25.4 BHP @ 3,000 RPM
Engine Option (W/Compressor) - NA	- 53 cfm comp. Three Cyl. Isuzu Mod. 3CD1 33 BHP @ 3,000 RPM	- 53 cfm comp. Three Cyl. Isuzu Mod 3CD1 33 BHP @ 3,000RPM
	- 70 cfm comp. Three Cyl. Isuzu Mod. 3CD1TK 41.6 BHP @ 3,000 RPM	- 70 cfm comp. Three Cyl. Isuzu Mod. 3CD1TK 41.6 BHP @ 3,000 RPM
Axle Capacity - 2000 lb. Torsional / 907 kg	- 2000 lb. Torsional / 907 kg	- Dual 5,200 lb. Torsional
Tires - ST175 / 80 D-13	ST225 / 75R15	- ST225 / 75R15
Air Compressor (Optional) - NA	- 53.8 CFM @ 100 PSI / 70 CFM @ 100 PSI	- 53.8 CFM @ 100 PSI / 70 CFM @ 100 PSI
Surface Area-Material Tank - 2,538 in ² 16,347 cm ²	- 4,272 in ² 27,135cm ²	- 6,632 in ² 42,787 cm ²
Surface Area-Oil Tank - 3,335 in ² 21,516 cm ²	- 5,377 in ² 34,153 cm ²	- 7,655 in ² 49,387 cm ²
Ratio of Tank Surface Area - 1.31:1	- 1.26:1	- 1.15:1
Controls - Standard Super Shot	- Standard Super Shot	- Standard Super Shot
Control Location - Rear Control Station	- Front and Rear	- Front and Rear
Hose Style - Electric	- Electric	- Electric
Wand Style - Electric	- Electric	- Electric
Hose Compartment - No	- No	- No
Material Recirculation - No	- No	- No
Boom - Sliding Bearing	- Sliding Bearing	- Sliding Bearing
Burner Box - N/A	- Removable Face Plate	- Removable Face Plate

Engineered Performance Features



QUICK AND EASY START-UP

With the flip of a toggle switch the Super Shot will be ready to operate in less than an hour. Shut down at the end of the day is just as easy.



HEATED HOSE

The low voltage electric heated hose heats material to application temperature within 45 minutes. The hose has the longest working radius in the industry, a 360° swivel, protected sleeve, and a repairable hose and wand.



Automatic Agitator Shut-Off and Splash Proof Lid



Integrated Operator Control System



Optional Compressor



Optional Engine Cover



Efficient Burner



Low Profile

Shut offs are incorporated into the lid, hose, wand, pump, burner, and electrical controls.

Controls operate the entire unit and overrides possible operator error. Integrated control box houses all the gauges, switches, and engine.

Compressor runs air lance used to clean out dirt and debris from cracks increasing crack sealing efficiency.

Protects engine from the elements, vandalism and theft.

Burner is positioned safely within the frame giving it protection and ample ground clearance. Time saving electric overnight pre-heater option available.

Low center of gravity provides easy loading, yet has ample unobstructed ground clearance for safe towing over the most rugged road conditions.

Engineered Performance Options

Crafcos offers many Engineered Performance Options to increase production, save labor and lower operating costs. The versatility of the Super Shot units allows you to specify options in your time frame, from the initial placement of the order all the way through production. Most Super Shot units have been engineered to accept any option, whether it's an autoloader, compressor, light bar or fire extinguisher. These options will enhance production, increase safety and security.

Engine covers and battery boxes protect the engine from the elements and add security. The autoloader increases production, adds safety and decreases operator fatigue. The overnight heater is an on the job must if you want to reduce start up time. The light bar is essential for added safety to direct traffic and increase driver awareness. No other machine comes as complete or as diversified.



- Engine Cover
- Gravity Feed
- Arrow Board Kit
- Surge Brakes
- Engine w/ gauges
- Autoloader
- 50, 70 CFM Compressor
- Custom Paint
- Hitch Selection
- Electric Plug Selection
- Hitch Extension
- Cab Brake Control
- Break-away Battery w/ charger
- Locking Battery Box
- Light Bar
- Overnight Heater
- Fire Extinguisher - 10 or 20 lb
- Tool Box
- Safety Hooks
- Mud Flaps
- Spare Tire Kit
- 100 lb propane tank kit

AutoLoader

Crafco Auto-Loader Conveyor



The New Crafco Auto-Loader conveyor increases production by supplying a continuous flow of sealant to the melter. The unique patented design of the Auto-Loader keeps workers out of traffic for loading operation increasing work safety while minimizing the lifting height. All loading is done from in front of the melter/applicator from the truck bed. The sealant blocks move down a conveyor belt and drop into the tank through a anti-splash loading door. The Auto-Loader operates off the existing power system on the melter and installs onto most existing power system on the melter and installs onto most existing melter/applicators. The Crafco Auto-Loader can be ordered as an option on new Crafco Supershoot and EZ Series II Melter/applicators.

Model 25 Pavement Cutter

*Random cracks stay sealed 50% longer when they are routed with the
Crafco Model 25 Pavement Cutter and Sealed with a quality sealant. (SHRP H.106 Report)*

Over 30 years of proven performance • Most comprehensive service coverage



New Ergonomic Handle Design

New ergonomic handle design increases ease of operation for depth control and handling. Re-balanced design virtually eliminates bucking and provides smoother operation reducing operator fatigue.



Self Propelled Option

The Model 25 Pavement Router Self Propel option will propel the cutter up inclines and from crack to crack effortlessly. Simply engage the wheel drive power whenever it is needed. The self-propelled option greatly increases productivity and decreases operator fatigue.



The **Crafco Model 25 Pavement Cutter** has been the industry standard for over thirty years. There is no other Pavement Cutter that can match the quality, reliability, long term performance and features of the Crafco Model 25. Its lightweight mobile design, unique center of axis and cutter head alignment enable it to produce unmatched crack following accuracy. There is no better way to effectively and efficiently create sealant crack reservoirs than with the Crafco Model 25 Pavement Cutter, the most popular Pavement Cutter throughout the world.

31134 Steel Cutter



Place in line with six spacers on each side. The cut will be approximately 1/2 inch wide. Use on AC pavement or PCCP. Some spalling can be expected.

31145 Wide Hub Cutters



The wide hub and smaller arbor reduces cutter "wobble" providing a cleaner pavement cut which improves the sealant bond to the crack sidewall. Provides 1/2 inch to 3/4 inch cut.

31136-7 Carbide Cutters



Place six spacers on each side for a 1/2 inch wide cut. Stack two cutters side by side with three spacers on each side, or stagger in a 2-1-2-1-2-1 configuration for a 1.3 inch wide cut. You can also use three cutters side-by-side for a two inch wide cut. These cutters can be used on AC pavement or PCCP.

31138- 6 1/2" Carbide Cutters



These cutters are the same as the 31136 cutter except they have an increased cut depth up to two inches. Three cutters are evenly spaced on the cutter head leaving every other pin empty.

31114 - Cutter Pins

Crafco cutter pins are ultra hard on the outside for wear resistance and flexible on the inside.

31151 - Extended Life Cutter Pins

These pins gain 20% to 30% more life as compared to the 31114 pin.

31149 - Extended Life Carbide Cutters

Crack-Vac Dust Containment System

The Crafco Crack-Vac is the environmentally effective way to remove dirt and debris from cracks dust free.

Air quality is our most important concern. The Crafco Crack-Vac cleans pavement cracks and maintains a clean environment while preserving worker and public safety. The Crack-Vac boom extends in front of the truck cab keeping the worker out of traffic areas. With a filter system that contains particle matter down to ten microns (PM 10), the Crack-Vac complies with the strict air quality standards in effect today. This new concept in crack sealing preparation limits workers exposure to dust and improves visibility problems that dust can cause the motoring traffic. If airport F.O.D. is a concern, the Crack-Vac is ideal for F.O.D. pick-up and disposal. The Crafco Crack-Vac is environmental friendly, safe and highly efficient.



Features:

- Truck or trailer mount
- 150 gallon holding tank
- 10 micron filtration system
- Diesel engine
- 473 c.f.m. vacuum
- 35 lf of 3 inch suction hose
- "Cab over" boom
- 2.5" diameter suction wand w/ quick disconnects
- Replaceable suction wand wear shoes
- Blower discharge silencer



TechCrete

The Superior Solution for Concrete Repair

Crafco **TechCrete** is the long-term solution for distressed concrete pavement preservation. Crafco TechCrete is a proven hot pour superior repair solution different from conventional rigid repair methods. Due to its flexibility, high tensile strength, ability to bridge joints and high compressive resistance, TechCrete creates a long lasting concrete repair.

Conventional rigid cement repairs such as epoxy or fast curing cementitious products often fail due to de-bonding, fatigue, and differential expansion characteristics. Unlike conventional repair methods once in place Crafco TechCrete will move with the pavement and will not de-bond or crack. TechCrete repair system has excellent adhesion and has a high friction surface ideally suited for Thin Bond Repair (TBR), multi corner slab repair, joint intersection repairs and recessed applications. Repairs with Crafco TechCrete can be opened up to traffic within as little as one hour. TechCrete is the most advanced concrete fix available and is ideal for highway and airport pavement repair. With Crafco TechCrete it's a one-time fix.



Easy Application!

- Long Lasting Repair
- Excellent Adhesion
- Flexible
- Compressive Resistant
- High Tensile Strength
- Spans Joints
- Ideal for Recessed Areas
- Ideal for Multi Corner Slab Repairs
- Open to Traffic in About One Hour



PolyPatch / Mastic One

The Cost Effective, Permanent Repair for Distressed Concrete and Asphalt Pavements



Crafco PolyPatch has been specifically designed for cracks too large for crack sealing and distressed surfaces that are too small for re-paving. It is a versatile hot-applied, pourable, self-adhesive polymer modified asphalt binder containing selected aggregate to ensure good load bearing and skid resistant characteristics. Available in several grades for various applications. PolyPatch is effectively used to level high manhole risers, crop inlets, bridge deck approaches, elevation discrepancies, utility cuts and more. PolyPatch is a *lightweight* product packaged in three gallon containers.

Mastic One - Same great properties of PolyPatch only with a standard weight aggregate.

Crafco Mastic One is a hot applied, pourable, aggregate filled, polymer modified asphalt pavement repair mastic. Mastic One is used for filling and repairing many distressed in both asphalt concrete and Portland cement concrete that are larger than those typically repaired by crack or joint sealing, but smaller than repairs requiring remove and replace patching procedures. Typical uses include filling and leveling of wide transverse or longitudinal cracks and joints, filling potholes and utility cuts, localized skin patch repairs and leveling bridge approaches or faulted areas. When properly applied, Mastic One forms a well bonded, flexible, durable, traffic resistant repair. To use, Mastic One is removed from the box, placed into an appropriate melter (Crafco Patcher I or II), mixed and heated until application temperature is reached, then poured into the prepared repair area and then leveled. Mastic One is formulated to provide neat feathered edge installation. Mastic One is then ready for traffic when it has cooled to solidify.



HP Concrete Cold Patch

Crafco HP Concrete Cold Patch is a unique, gray color, cold applied, single component patching material. Use HP to repair potholes, spalls, cracks and other confined voids and distresses over 1 inch wide and greater than $\frac{1}{2}$ inch deep in Portland Cement concrete. It can also be used to repair roads, a, streets, airport pavements, parking lots, bridge and parking decks, sidewalks, walkways and floors. Unlike most other concrete patching materials, no mixing, heating or special installation equipment is required.

- Works in all weather conditions; wet, cold or hot
- Approved, used and tested by utilities and states nationwide
- Easy to use bags prevent waste and saves money
- No mixing, mechanical compaction or tacking
- Cost effective with no messy clean-up or time constraints
- Permanently adheres to concrete
- Perfect for all concrete roads, airports, bridges parking decks, sidewalks
- Patch will not release
- Use at any temperature between 30° and 100° F
- Open to traffic immediately after compacting
- No heating, mixing or tacking required



HP High Performance Pavement Repair is specifically engineered to remain somewhat pliable following application. This allows our product to eliminate small voids and crevices through continual compaction. Should you require faster set up times, a light sprinkling of Portland cement or mortar dust prior to compaction will help to speed the curing process.



50lb / 22.7kg Bag Usage Guide

Repair Area Size	Depth in inches	Total bags needed
6" X 6"	1"	0.05
	2"	0.1
	4"	0.2
	6"	0.3
12" X 12"	1"	0.2
	2"	0.4
	4"	0.8
	6"	1.2
24" X 24"	1"	0.8
	2"	1.6
	4"	3.2
	6"	4.8

Patcher Polypatch and TechCrete Melter



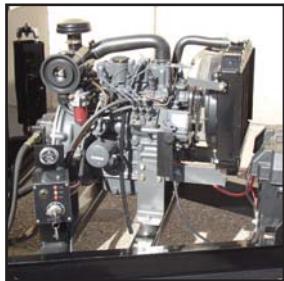
No matter the task, we have the right equipment and material for your operation.

Specifically designed to melt and prepare PolyPatch and TechCrete pavement patching material for application.

The diesel Crafcoco Patcher II is a double boiler that is digitally controlled to assure that material temperatures are held within specification ranges at all times. A swivel material delivery chute makes placing material fast and easy. To clean out, load the machine with dry aggregate - run agitator and empty it's that easy. All machines are equipped with a safety shutoff on the lid to prevent injury during operation. Available in a one ton (Patcher I) and two ton (Patcher II).

FEATURES

- Diesel powered
- Digital temp controls
- Swivel chute
- Easy clean out
- Safety shut off lid
- Curb side controls
- Double boiler
- Multi material use design





Crafco's Magnum Spray Injection Patcher is the top workhorse in an impressive line of patching equipment. It effectively repairs a wide variety of pavement conditions including potholes, deteriorated shoulders, utility cuts, fissures, and alligator cracked areas. The Magnum Spray Injection Patcher's integrated operation cleans the area to be repaired, applies a tack coat, coats the aggregate with asphalt emulsion and then applies the mixture all in one easy continuous operation. Using high velocity air, the coated aggregate material is compacted during application leaving virtually no voids in the final pavement repair, making a long lasting patch that is superior to conventional methods as proven by government studies. The Magnum will place over seven tons per hour. The aggregate material for the trailer mounted Magnum is supplied from a dump truck that is equipped with a live tailgate, which provides a uniform material supply for uninterrupted production. A counterbalance folding boom sweeps a 360° arc that extends eighteen feet from the back of the unit covering an unprecedented **1,275 square feet work area**. All controls are positioned at the operators' fingertips giving the operators complete control. The Magnum Spray Injection Patcher features a "maintenance free" emulsion feed line and a machined aluminum application nozzle, which contains an internal pressurized spray ring assuring 100% aggregate coating. Crafco Magnum Spray Injection Patchers give you complete control of pavement preservation, from the smallest repair to the largest; quickly, effectively and efficiently.

The Crafco Spray Injection Patcher is the only piece of pavement preservation equipment to be documented by every major trade publication, the US Department of Transportation and customers to be "better than hot patch" and "to have no equal".

Features:

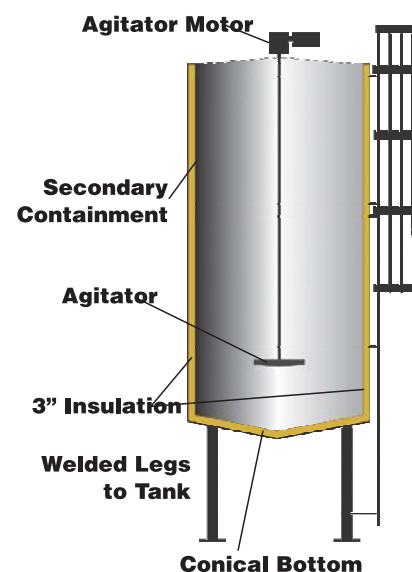
- Highest production in the industry
- Best velocity control
- Best aggregate control
- Seven tons per hour production
- Large work area (1,275 sq. ft.)
- Positive feed system
- Precise emulsion control
- Crafco quality



Emulsion Storage Tanks Specifications

SCOPE The emulsion tank shall be furnished complete and ready for satisfactory operation. The unit bid herein will be the manufacturer's latest current production model. Complete detailed specifications with advertising literature sheet shall be furnished with the quotation on the IDENTICAL tank proposed. Any information necessary to show compliance with these specifications not given on the advertising literature sheets furnished with bid shall be supplied in writing and attached to the bid proposal. Unit shall meet or exceed the MINIMUM requirements described herein.

- Double welded seams
- Drop cone bottom
- 3" insulation
- Secondary containment shell
- Leak detection gauge
- Heating element
- Agitator
- Bottom clean out
- Continuous steel structure



TANK Tanks shall be vertical type and pressure tested for storage of emulsified asphalt and oils. Tanks are manufactured with an offset seam and a series of welds inside and a full seal weld pressure tested outside. They shall be fabricated of minimum 7-gauge steel. Insulation shall be a minimum thickness of 3 inch R-11 available. Tank shall have primer coat and be painted black. Tank shall be supplied with one side mount manhole access. Tank shall come complete with 10 gauge steel secondary containment shell with 2" monitor pipe and leak detection site glass. There shall be a 5-inch dial side mount material temperature gauge.

HEATING ELEMENT The tank shall have heating elements of 6,000 watts and 220 volts. Elements shall be placed in schedule 40 housing positioned inside the tank which are 60" long and located 8" below the 24" liquid manhole access. Heating elements shall be removable without draining the tank or removing the tank cover or the insulation.

BALL VALVES There shall be minimum of two 3-inch ball valve for material loading and unloading located at or near tank.

STEEL STAND The bottom of tank must be a minimum of 5 feet above ground level for gravity loading of product, optional 8 foot legs.

HOSE Hose shall be a minimum 3-inch ID, 12 foot long loading hose shall be provided with tank.

AGITATION SYSTEM Top mounted, worm gear electric motor, single phase, 110 or 220 volt, shall be provided with HP size based on mixer size.

OPTIONS

- 18, 20, or 24 inch bolted top manhole
- 18, 20, or 24 inch hinged manhole
- Top rail with toe plate
- 4 inch internal overflow pipe
- Low level mixer shut down
- Low temperature mixer shut down
- High level alarm
- Timer for mixer with battery back up
- R-13 insulation in place of R-11
- Mechanical float gauge
- 8 foot steel legs in place of standard 5 foot
- 2" ball valve w/ heat tape, 220 volt
- Electric time clock control for agitator
- Access ladder with cage

	2000 GALLON CAPACITY	3000 GALLON CAPACITY	4000 GALLON CAPACITY	5000 GALLON CAPACITY	6000 GALLON CAPACITY	8000 GALLON CAPACITY	10000 GALLON CAPACITY
TANK							
Minimum diameter and minimum height	64" X 12'	7' X 11'	7' X 14'	7'6" X 5'	7'6" X 18'	8' X 21'	9' X 21'
Shall have minimum drop cone bottom for solids retention.	2"	3"	3"	4"	4"	5"	6"
7-gauge steel construction	Side/top	Side/top	Lower 5' of side 1/4" w/ balance & top 7-gauge	Lower 6' of side 1/4" w/ balance & top 7-gauge	Lower 6' of side 1/4" w/ balance & top 7-gauge	Lower 6' of side 1/4" w/ balance & top 7-gauge	Lower 6' of side 1/4" w/ balance & top 7-gauge
steel bottom	7 gauge	7 gauge	1/4 inch				

	2000 GALLON CAPACITY	3000 GALLON CAPACITY	4000 GALLON CAPACITY	5000 GALLON CAPACITY	6000 GALLON CAPACITY	8000 GALLON CAPACITY	10000 GALLON CAPACITY
HEATING ELEMENTS							
6,000 watts/220 V/25 amps	2	2	2	2	2	3	3

	2000 GALLON CAPACITY	3000 GALLON CAPACITY	4000 GALLON CAPACITY	5000 GALLON CAPACITY	6000 GALLON CAPACITY	8000 GALLON CAPACITY	10000 GALLON CAPACITY
STEEL STAND							
Beam legs and Base plates	(4) 4" 13# WF beam legs & 8' X 8' X 1/2" base plates	(4) 6" 20# WF beam legs & 10' X 10' X 1/2" base plates	(4) 6" 20# WF beam legs & 10' X 10' X 1/2" base plates	(4) 8" 31# WF beam legs & 12' X 12' X 1/2" base plates	(4) 8" 31# WF beam legs & 12' X 12' X 1/2" base plates	(4) 10" 45# WF beam legs & 14' X 14' X 1/2" base plates	(6) 8" 31# WF beam legs & 12' X 12' X 1/2" base plates

	2000 GALLON CAPACITY	3000 GALLON CAPACITY	4000 GALLON CAPACITY	5000 GALLON CAPACITY	6000 GALLON CAPACITY	8000 GALLON CAPACITY	10000 GALLON CAPACITY
AGITATION SYSTEM							
Minimum shaft diameter	1 3/4"	1 1/2"	2 3/8"	2 3/8"	2 7/8"	2 7/8"	2 7/8"
Impeller shall be HyFlow II with specified diameter	24"	32"	33"	33"	34"	45"	45"
Impeller to operate at non-variable speed maximum of specified RPM	70 RPM	58 RPM	58 RPM	44 RPM	58 RPM	44 RPM	44 RPM

MISCELLANEOUS The bidding agency is responsible for cost and construction of concrete foundation and for proper placement of mounting component, cost and arrangements for required electrical wiring, cost and arrangements for tank erection and placement, and environmental compliance. Detailed tank leg specifications for mounting to concrete foundation shall be provided by supplier.

WARRANTY The manufacturer's usual warranty shall apply and will be in effect for at least one year. Bidder shall provide warranty information with bid proposal.

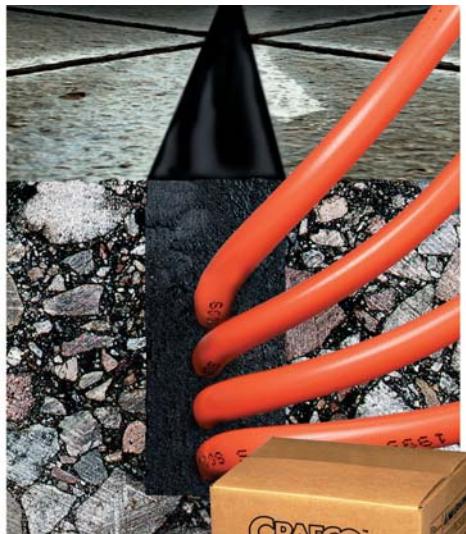
Please consult your local OSHA standards for tank regulations in your region.

Easy Installation

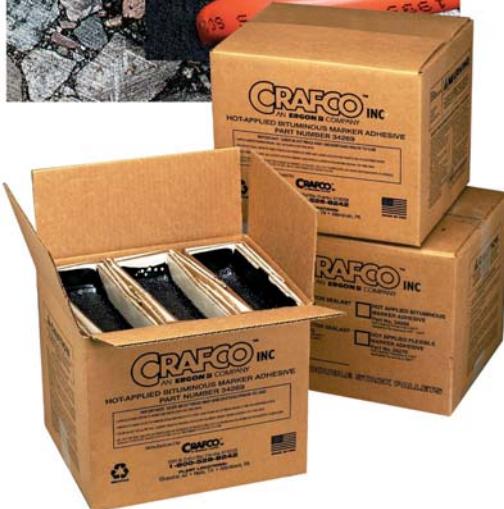


Loop Detection Sealant

Crafco Loop Detection Sealant is specifically designed to provide total and permanent protection in both concrete and asphalt pavements. Crafco Loop Detection Sealant is a hot-melt, rubberized asphalt sealant material that, when properly applied, forms a resilient and adhesive seal. The Crafco Loop Detector Sealing System will save you time, money and labor while helping eliminate the need for the costly repair or replacement of failed loop wire systems.



LF 150 Loop Fill Equipment



BAX 250

Marker Adhesive

Standard Adhesive PN# 34269

- Meets ASTM D4280 and D4383
- Single component - Hot applied
- Uniform blend
- Very workable
- Highly adhesive
- Crafco quality

Crafco Flexible Marker Adhesive PN# 34270

- Polymer modified for temperature stability.
- Applied with standard jacketed melter.
- 30% lighter than conventional filled adhesive.
- Will not settle out in the applicator tank.
- Re-heatable.
- Flexible to 20°F. (-7°C)
- Faster heat up.
- Extended life.



The right choice for marker application is the Crafco Marker Adhesive System. Crafco's Marker Adhesive System includes both application equipment and marker adhesive.

The BAX 250 will heat 250 pounds of adhesive per hour and applies 20 "shots" per minute for high application rates. The BAX comes skid mounted. Also available is a 600 pound unit for Flexible Marker Adhesive application. A 10 foot heated hose and 24" wand allows maneuverability and efficient production. Additional hose and wand options are available.

Super Sealcoater



Crafco Engineered Performance Design

Designed for the contractor, the Crafco Super SEALCOATER's standard features are considered options on all other competitive seal coat machines. Quality parts and superior construction make the Super SEALCOATER the machine of choice for everyday rigorous use. Features such as the unbreakable steel tank to the oversize hydraulic system set this unit apart from all the others. Built with Crafco quality and engineered to last, choose the Super SEALCOATER for your next seal coat machine.

Options include:

- 35 Gallon Water Tank w/ Pump
- 35 Gallon Brush Box

Specifications

550 & 800 Gallon Capacity

-
- Steel Tank w/ 10 Gauge Thick Bulkhead & Tank Wrap
 - Jenny Air Compressor - 13 HP Honda Engine w/ Electric Start & 30 Gallon Air Tank
 - Choose From 3 Hitch Styles, Breakaway Switch & Safety Chains
 - 54.5" long X 40" wide Storage Deck
 - (2) 6,000 lb. Torsional Axles w/ Electric Brakes
 - 16" Load Range D Tires
 - Variable Speed Hydraulic Powered Agitation System w/ Forward, Reverse & Neutral Metering Valve
 - 6 Paddle Agitator w/ Rubber Wipers
 - 2" Diaphragm Pump
 - 6' Aluminum Hand Wand
 - 3 Gallon Strainer Box and Basket
 - 24" X 24" Material Tank Hatch w/ Sand Grate & Inner Splash Lid, Outer Lid Lock
 - Brake, Side Marker, Center Light Bar Lights & License Plate Bracket
 - Heavy Duty Safety Tread Plate Fenders w/ Integrated Steps
 - 1/4" wide Air Powered Water Pumping System w/ 25' Hose & Nozzle
 - Weatherproof Record Box
 - Industrial Grade Paint
 - 35 Gallon Water Tank w/ Direct Connect to Piping System with Water Pump
 - Hose Reel on Fabricated Swivel w/ 100' - 3/4", 300 psi Hose
 - 60" X 41.5" Storage Deck Flip-Up Ramp



Sherwin Industries, Inc.
MILWAUKEE, WISCONSIN
ESTABLISHED 1938

Phone: 800-525-8876 • Fax: 414-281-6404

The Geo Composite Advantage

Crafco Geo Composites will effectively seal moisture from concrete or asphalt surfaces while dispersing stress associated with reflective cracking of overlaid pavements.

Easy Fast Installation = Long Lasting Cost Effective Results

The leading Geo Composite membranes since 1982

PavePrep is a high density mastic laminated with a tough woven polyester designed specifically to withstand the loads encountered by highway traffic and stress concentrations at pavement joints and cracks. PavePrep's dense and flexible mastic reduces the tendency for cracks to reflect through the overlay by dispersing the pavement stress.

PavePrep SA (Self Adhesive) comes with a peel-and-stick adhesive on the application side and does not require a tackcoat for most surfaces.

GeoTac is a peel-and-stick waterproofing membrane designed specifically as a moisture barrier. GeoTac is high caliper and uses a full modified SBS asphalt mastic applied to a non-woven polyester geotextile.

GeoTac HS is composed of a specifically designed polymer modified asphalt waterproofing membrane adhesive that is bonded to a high strength woven polyester fabric backing.

Advantages

- Provides a stress relief layer
- Significantly reduces reflective cracking
- Lowers pavement maintenance costs
- Easy installation
- Minimal traffic disruption
- Reduces further structural deterioration
- Reduces moisture penetration
- Increases overlay life
- Waterproofs



PavePrep SPECIFICATIONS

Property	Value	Test Method
Cold Flex	No cracking or separation of fabric	ASTM D146 (modified)
Tensile Strength (Peak)	2,000 psi minimum	ASTM D412 (modified)
Elongation (@ Peak Tensile)	10% minimum	ASTM D412 (modified)
Weight	0.8 lbs/sf (3.7 kg/m ²) minimum	N/A
Density (mastic)	80 PCF minimum	ASTM D70
Thickness	0.135 inches typical	ASTM D1777
Thickness Retention	75% minimum retained after loading	ASTM D395 (modified)
Absorption (mastic)	1% maximum	ASTM D517
Brittleness	Passes	ASTM D517
Softening point (mastic)	210° F - 230° F (99° - 110° C)	ASTM D36

PavePrep Composition

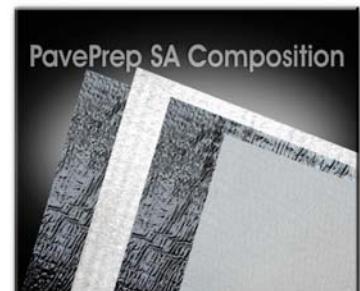


PavePrep SA SPECIFICATIONS

PavePrep SA (Self adhesive) eliminates the need for a tack coat for application in most

Property	Value	Test Method
Cold Flex	No cracking or separation of fabric	ASTM D146 (modified)
Tensile Strength (Peak)	2,000 psi minimum	ASTM D412 (modified)
Elongation (@ Peak Tensile)	10% minimum	ASTM D412 (modified)
Weight	0.8 lbs/sf (3.7 kg/m ²) minimum	N/A
Density (mastic)	80 PCF (1.28g/cc) minimum	ASTM D70
Thickness	0.135 inches typical	ASTM D1777
Thickness Retention	75% minimum retained after loading	ASTM D395 (modified)
Absorption (mastic)	1% maximum	ASTM D517
Brittleness	Passes	ASTM D517
Softening point (mastic)	210° F - 230° F (99° - 110° C)	ASTM D36

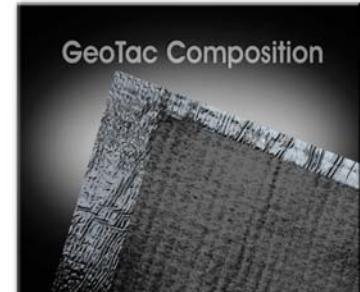
PavePrep SA Composition



GeoTac SPECIFICATIONS

Property	Value	Test Method
Caliper (thickness)	0.080 inches	ASTM D1777
Grab Tensile Strength	50 (Min.) Lbs/in. Min.	ASTM D4632
Puncture Resistance	200 lbs. min.	ASTM E154
Permeance	0.10 (MAX) perms	ASTM E96, Method B
Elongation	50% min.	ASTM D4632
Pliability (2" Mandrel; 180° Bend)	No cracks in fabric or Rubberized Asphalt	ASTM 146 (modified)

GeoTac Composition



GeoTac HS SPECIFICATIONS

Property	Value	Test Method
Caliper (thickness)	0.065 inches 220 lb. (968 N)	ASTM D1777
Grab Tensile Strength	200 lbs. (968 N) min. 300lb.(134)	ASTM D4632
Puncture Resistance	300 lbs. (1344 N) min.	ASTM E154
Permeance	0.10 US perms max.	ASTM E96, Method B
Elongation	15% min.	ASTM D4632
Pliability (2" Mandrel; 180° Bend)	Pass at -25° F (-31.7° C)	ASTM 146 (modified)

GeoTac HS Composition





QWIKSEAL is a peel and stick, modified asphalt compound ideal for sealing cracks, seams around pavement patches and concrete joints. Applying QWIKSEAL is as simple as blowing the pavement making sure the surface is clean and dry, unrolling QWIKSEAL and applying it to the surface. Warm the edges to assure a long lasting bond. Properly installed, QWIKSEAL prevent water intrusion and the deterioration it causes to the pavement. QWIKSEAL is compounded to perform in a wide range of climates and conditions.

Crafco QWIKSEAL is supplied in a preformed continuous strip either 4" or 2 1/2" wide and 50 foot long.



Use the Crafco **QWIKDOTS** system to adhere sign posts, rumble strips, speed bumps, parking bumpers, temporary signs or most anything else to both concrete and asphalt pavements. Crafco QWIKDOTS are pressure sensitive peel and stick modified asphalt adhesive pads.

Available in 6" diameter - 120 per box and 8" diameter - 80 per box.



The Crafco **QWIKSTIX** is a fast and easy way to adhere pavement markers or do small crack repairs. The only tool required is a small torch. Peal back the self release cardboard box and melt just enough to do the job. Single markers or touch up to a crack sealing project are ideal for the QWIKSTIX. QWIKSTIX work equally well on AC or PCCP pavements.



CRACK-STIX is a direct fired, rubberized crack and joint sealant. Easy to use, melts in minutes. Super resilient, self-bonding to asphalt or concrete. It is a rubberized sealant on a spool. Self-leveling. Simply the right choice for small repairs.

S31004

Crack-Stix in 2 Gal. Pail 1/2" Diameter 150 L.F.

(Note: L.F. means Lineal Feet)

CSX900 TORCH

SCSX900

Torch with trigger start/modified tip



Crafco Sealant

All Crafco Products meet or exceed the specifications listed.

CERTIFIED PRODUCT PART NUMBER	PRODUCT NAME	HEAT TYPE	ASTM	AASHTO	Fed	FAA	SPECIALTY		OTHER SPECS																
							DIRECT FIRE	OIL JACKETED	D 6690 TYPE I	D 6690 TYPE II	D 6690 TYPE III	D 5078	D 5895	M 324 TYPE I (M 173)	M 324 TYPE II (M 301)	M 324 TYPE III (M 301)	M 324 TYPE IV (M 301)	MODIFIED AASHTO	SS-S164	SS-S1401C	P 605	PARKING LOT	TRAFFIC LOOPS	RECYCLED RUBBER	FIBERIZED
34200 - Parking Lot Sealant																									
34201 - RoadSaver 201																									
34202 - Parking Lot Sealant Type 1																									
34203 - RoadSaver 203																									
34211 - RoadSaver 211																									
34220 - RoadSaver 220																									VIRGIN POLYMER
<input checked="" type="checkbox"/> 34221 - RoadSaver 221																									
<input checked="" type="checkbox"/> 34222 - RoadSaver 222																									
<input checked="" type="checkbox"/> 34231 - RoadSaver 231																									LOW MODULUS
<input checked="" type="checkbox"/> 34232 - Asphalt Rubber Type 2																									
34234 - Asphalt Rubber Type 4																									
34240 - Asphalt Rubber Type 1																									
34241 - Asphalt Rubber Plus																									
<input checked="" type="checkbox"/> 34244 - Asphalt Rubber Plus Type 2																									
34250 - PolyFiber Type 3																									CRAFCO SPECIFICATION
34251 - PolyFiber Type 4																									CRAFCO SPECIFICATION
<input checked="" type="checkbox"/> 34269 - Standard Marker Adhesive																									D 4280
34270 - Flexible Marker Adhesive																									
34271 - Loop Detector Sealant																									CRAFCO SPECIFICATION
34281 - PolyPatch																									LEVELING, SKIN PATCH, POTHOLE
33339 - Mastic One																									CRAFCO SPECIFICATION
34500 - High Slope																									CRAFCO SPECIFICATION
<input checked="" type="checkbox"/> 34515 - RoadSaver 515																									
<input checked="" type="checkbox"/> 34516 - PolyFlex Type 1																									
34517 - Crafco DF																									CRAFCO SPECIFICATION
34518 - PolyFlex Type 2																									CRAFCO SPECIFICATION
34519 - Fiber Asphalt																									CRAFCO SPECIFICATION
34521 - PolyFlex Type 3																									CRAFCO SPECIFICATION
<input checked="" type="checkbox"/> 34522 - RoadSaver 522																									LOW MODULUS, CRAFCO SPECIFICATION
<input checked="" type="checkbox"/> 34524 - Pavement Joint Adhesive																									CRAFCO SPECIFICATION
34526 - PolyFlex Type 4																									CRAFCO SPECIFICATION
34532 - SuperFlex																									CRAFCO SPECIFICATION
34533 - SuperFlex HT																									CRAFCO SPECIFICATION
34534 - RoadSaver 534																									LOW TACK
34543 - RoadSaver Low Tack																									CRAFCO SPECIFICATION
34546 - RoadSaver Low Tack Type 2																									CRAFCO SPECIFICATION
<input checked="" type="checkbox"/> 34902 - RoadSaver Silicone SL																									D 5893
<input checked="" type="checkbox"/> 34903 - RoadSaver Silicone NS																									D 5893
<input checked="" type="checkbox"/> 34952 - TechCrete R,TBR																									CRAFCO SPECIFICATION
34977 - HP Cold Patch																									



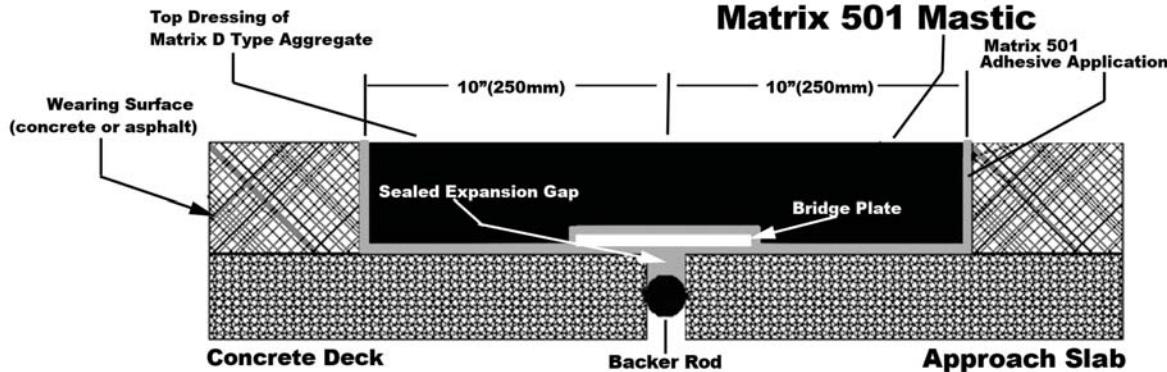
For Certified Performance Reports, Installation Instructions, Data Sheets, and Sealant Usage Calculator visit www.crafco.com.

Matrix 501 Single-Component Asphaltic Plug Bridge Joint System

What is it?

- Watertight bridge expansion joint system placed in the deck surfacing layer
- Blend of Polymer Modified Asphalt and select aggregate

- System includes primer, bridging plates, mastic and cover aggregate
- ASTM Specification – D6297



Advantages

- Prepackaged, premeasured – no field blending of components
- Fewer components to inventory and handle
- Easy to apply
- High production
- Less equipment
- Less manpower
- No compaction required
- Flexible
- Good extension
- Easy to maintain
- Resists tracking and shoving



HBR-XL Backer Rod For Use with Hot Applied Sealant

PART #	SIZE	WEIGHT PER BOX	FEET PER BOX
S34616-01	3/8"	15#	3600
S34617-01	1/2"	15#	2500
S34618-01	5/8"	15#	1550
S34615-01	7/8"	15#	850
S34612-01	1"	15#	550
S34614-01	1 1/4"	15#	400
S34610-01	1 1/2"	15#	552
S34609-01	2"	15#	360

Hand Held Backer Rod Installation Tool for proper depth
1/2", 3/4" or 1" available

HBR Backer Rod Cold Applied for Silicone Sealant Only

PART #	SIZE	WEIGHT PER BOX	FEET PER BOX
S34621-01	1/4"	15#	6400
S34626-01	3/8"	15#	3600
S34627-01	1/2"	15#	2500
S34620-01	5/8"	15#	1550
S34625-01	3/4"	15#	1100
S34622-01	7/8"	15#	850
S34623-01	1"	15#	550
S34624-01	1 1/4"	15#	400
S34608-01	1 1/2"	15#	552
S34611-01	2"	15#	360



RoadSaver Silicone Sealant

Crafco RoadSaver Silicone conforms to specifications for low modulus silicone for many highway departments, federal agencies and the FAA. The product also meets and exceeds all requirements of ASTM D5893 "Standard Specification for Cold-Applied Single Component, Chemically Curing Silicone Sealant for Portland Cement Concrete Pavements".

Joint Design for Crafco RoadSaver Silicone Sealants in Joints in PCC Pavements Joint Design

*Join Width	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"
<u>Minimum Sealant Recess</u>	1/4"	1/4"	5/16"	5/16"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
<u>Backer Rod Diameter¹</u>	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 1/2"	1 3/4"	2"
<u>Sealant Bead Thickness²³</u>	1/4"	1/4"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"
<u>Minimum Joint Saw/Reservoir Depth</u>	1 1/8"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"	2 3/8"	2"	2 7/8"	3 1/8"	3 3/8"
<u>Minimum Backer Rod Depth</u>	1/2"	1/2"	5/8"	11/16"	3/4"	13/16"	7/8"	1"	1"	1"	1"
<u>Estimated Usage Non-Sag (ft/gal)</u>	245	149	112	70	51	35	26	23	18	16	15
<u>Estimated Usage Self-leveling (ft/gal)</u>	273	172	130	82	58	41	31	27	22	20	19

¹ Backer rod diameter should not be varied from specified dimensions. If larger sizes are used, increased saw depth is needed.

² Sealant bead thickness can vary by +25% of design value.

³ Never install Roadsaver Silicone to a depth greater than the joint width (1 to 1).



Roadsaver Silicone SL



Roadsaver Silicone NS



Crafco RoadSaver Silicone SL is a low modulus silicone which offers the performance and durability characteristics of conventional non-sag silicone with the ease of installation of self-leveling materials. Crafco RoadSaver Silicone SL is supplied as a ready to use one component moisture curing system. RoadSaver Silicone SL offers outstanding weathering resistance, remains flexible down to temperatures as low as -50°F (-46°C), is jet-blast resistant and will maintain field serviceability when exposed to intermittent fuel and oil spills. It bonds strongly to concrete joints without the use of a primer. Crafco RoadSaver Silicone SL can be used in all typical concrete joint applications on highway and airfield pavements in all climates. RoadSaver Silicone sealant is compatible with asphalt pavement. The leveling characteristics insure that the required joint wetting for development of appropriate adhesion occurs during application, with no tooling required. RoadSaver Silicone SL has been a top performing quality Crafco product for over 15 years, and has achieved the Crafco CERTIFIED PERFORMANCE designation.

Crafco RoadSaver Silicone NS is a uniquely formulated low modulus non sage silicone for sealing joints in Portland cement concrete pavements in all climates. The product is supplied as a ready-to-use, one component moisture curing system, which provides a lasting and flexible seal. Crafco RoadSaver Silicone can be used in all typical concrete joint applications, on highway and airfield pavements, and is compatible with asphalt pavement. Crafco RoadSaver Silicone offers outstanding weathering resistance, remains flexible down to temperatures as low as -50°F (-46°C), is jet-blast resistant, and will maintain field serviceability when exposed to intermittent fuel and oil spills. The sealant bonds strongly to Portland cement concrete joints without the use of a primer. To achieve the proper joint configuration, Crafco Silicone NS must be toolled. RoadSaver Silicone has been a top performing quality Crafco product for over 15 years, and has achieved the Crafco CERTIFIED PERFORMANCE designation.

RoadStar & Highway Star Joint Sealant Pumps



5 Gallon

- German Designed & Engineered
- 38:1, 48:1 or 59:1 Power Ratios
- Built and Serviced in the U.S.A.
- Chopping Check Style Pump
- 3" Post Double Elevator / Ram
- Air Line Filter / Lubricator / Regulator
- Applicator Valve or Gun & Wand
- Operating and Service Manual
- Pump fluid section can be rotated 180° for ease of mounting in truck or trailer.
- 360° Drum Locator / Clamp holds drum in place while traveling. Can be opened right or left for convenience while changing drums.
- Stainless Steel or Zinc Plated external surfaces and fasteners for maximum corrosion protection in outdoor applications.
- 5 Gallon Pail Conversion Kit Available



55 Gallon

Joint Plow Tools (JPT)

<u>PART #</u>	<u>DESCRIPTION</u>
S32222	1/4" JPT Style A or B
S32222 A	3/8" JPT Style A or B
S32222 B	1/2" JPT Style A or B
S32222 C	5/8" JPT Style A or B
S32222 D	3/4" JPT Style A or B
S32222 E	1" JPT Style A or B

Tapered Joint Plow Tools (TJPT)

<u>PART #</u>	<u>DESCRIPTION</u>
S32223	5/8" TJPT 19 Degrees
S32223 A	3/4" TJPT 19 Degrees
S32223 B	3/4" TJPT 10 Degrees
S32223 C	1" TJPT 10 Degrees
S32223 D *NEW	1/2" TJPT 7 Degrees

A & B Styles 1/2"

Available in:

1/4" Wide			NEW SIZE
3/8" Wide	Also Available	Also Available	W=1/2"
1/2" Wide	W=5/8"	W=1"	N=1/8" (7 Taper)
5/8" Wide	N=3/16"	N=1/2"	
3/8" Wide			
1" Wide			





Crafco Pour Pot with Wheels

PN# 40200

Used to apply a uniform band of sealant to a crack or joint. Wheeled for ease of use. Gravity feed with shut off lever.



Crafco Hand Held Pour Pot

PN# 40201

For application of thin crack sealant to a joint or crack. Gravity feed with shut off lever.



Crafco TechCrete Bucket

PN# 32263

For transporting TechCrete or PolyPatch material from the Patcher I or Patcher II to the repair area.



Crafco Material Handler

PN# 56375

For handling and distributing of PolyPatch material from the Patcher I or Patcher II to the repair area. Propane heated with material side discharge gate.



Crafco Heavy Duty Squeegee w/ Aluminum Handle

PN# 27199

Crafco Replacement Blade PN# 27195
4 in. x 18 in. x 3/8 in.

Patching Tools



Crafco Ironing Wand w/ 4 ft. 6 in. handle

PN# 32243

Used as a leveling and a warming tool for the proper application of TechCrete.



Crafco Chute Scraper w/ 2 ft. handle

PN# 32246

Used for cleaning the chute on the Patcher I and Patcher II.



Crafco Tank Scraper w/ 6 ft. handle

PN# 32258

Used for cleaning the Patcher I and Patcher II tanks.



Crafco Shoebox w/ 6ft. Handle

PN# 32350 - 8"x8"x3" PN# 32255 - 8"x8"x6"
PN# 32351 - 8"x10"x3" PN# 32250 - 8"x10"x6"
PN# 32352 - 8"x12"x3" PN# 32252 - 8"x14"x6"
PN# 32353 - 8"x14"x3" PN# 32253 - 8"x14"x6"

Used for assisting placement of PolyPatch. Use the size suitable for your application. Fill using the Material Handler or TechCrete Bucket.



Crafco Cold Air Lance

PN# 42648

Use this tool in conjunction with an air compressor to blow cracks and joints clean.



Crafco Heat Lance

PN# 45650

Requires air compressor and propane supply. Features Auto ignition and includes moisture trap, regulator and 40 ft.



Crafco Heat Lance w/ Regulator

PN# 32259

Use to dry out, heat and clean cracks. Requires air compressor and propane supply. Includes regulator and 20 ft. hose.

Sealing Tips



Super Shot Drip Stopper

Use with Crafco Super Shot sealing tip. Stops sealant drip once wand trigger is released

- ① - PN# 27114 Tip Adapter
- ② - PN# 50270 Duckbill Valve
- ③ - PN# 27115 Shroud - Tip



Swivel Applicator

3" - PN# 27120

4" - PN# 27130

Use with Super Shot Melter & EZ Pour Melters with or w/o Drip Stopper.



Crafco Duckbill

PN# 50270

Use with Super Shot Melter wands to prevent dripping of material.



Crafco Sealing Foot / Flush

Used for random asphalt and concrete cracks.

PN# 27154 - Sealing tip/ft assembly 1/4" flush

PN# 27155 - Sealing tip/ft assembly 3/8" flush



Crafco Sealing Foot / Protruded

Use for straight asphalt and concrete joints.

PN# 27159 - Sealing tip/ft assembly 1/4" protruding

PN# 27160 - Sealing tip/ft assembly 3/8" protruding



Crafco Joint Sealing Tip

Use for straight asphalt and concrete joints.

PN# 27146 - Sealing tip assembly 1/4"

PN# 27147 - Sealing tip assembly 3/8"



Crafco Round Sealing Tip

Multi-purpose for random cracks and joints.

PN# 27170 - Sealing tip assembly 3/8"

PN# 27171 - Sealing tip assembly 1/2"



Crafco Applicator Disk

Used for over banding, great labor saver.

PN# 27162 - 3" Disk Assembly

PN# 27163 - 4" Disk Assembly

PN# 27164 - 6" Disk Assembly

L.A.B. Torch Hot Air Lance Equipment

S70	L.A.B. Torch Hot Air Lance Model B: made entirely of stainless and hard chromed, plated steel. Includes stainless steel aluminum wheel kit.
S70A	L.A.B. Torch Hot Air Lance Only Model B
SWKC	L.A.B. Torch Hot Air Lance Wheel & Guard
SHK-40	40' Hose Kit
S1B50-6	50' Hose Kit
SHK-60	60' Hose Kit
SHBCLAB	Hot Box stainless steel
S7139	Protective Hose Cover per foot
S3010	P.A. Torch hot air lance, 50' hose kit, regulator, and quick connect couplers
S71	Cold Air Lance with trigger demand switch for blowing out debris from cracks/joints
S70C	L.A.B. Torch Hot Air Lance Model C: complete unit

Model B - Classic & Hot Shot

Heated Air Temperatures: 400° F to 2600° F

Exit Heated Air: Up to 1000 ft. per second

Propane: 5 to 30 psi

Compressed Air Supply: 60 - 100 cfm, 50- 175 psi (Hot Shot)

Propane Consumption: 10 Lbs per hour @ 20 psi

100-185 cfm, 50 - 175 psi (Classic)

BTU's: To 1,000,000

Lance Weight: 11 Lbs

Stainless Steel Construction

**Model C Blaster**

Heated Air Temperatures: 600° F to 3000° F

Exit Heated Air: Up to 3000 ft. per second

Propane: 5 to 30 psi

Compressed Air Supply: 150 + cfm, 90- 175 psi

Propane Consumption: 12 Lbs per hour @ 20 psi

BTU's: To 1,500,000

Lance Weight: 12 Lbs

Stainless Steel Construction

**Complete Package Includes:**

- Hot Air Lance Unit
- Hose Kit Assembly (40', 50', 60') in protective hose cover
- Wheel Kit Debris Guard - Optional
- Shoulder Strap
- Heavy Duty Air Filter
- LP Regulator & Gauge
- Quick Connect Fittings
- Safety & Operation Manual
- Warranty Card



EZ Mini Melter System

Heat, apply and Detack with Crafco quality products featured in the
Crafco EZ Mini Melter System of crack sealing.

Crafco Mini Melter 30
Part Number 57600



Crafco Mini Melter 10
Part Number 57500



Crafco Pour Pot w/ Wheels
Part Number 40200

The Mini Melter 30 (air jacketed hand agitated) is a 30 gallon sealant melter and dispenser that can be used in conjunction with the Mini Melter 10 or the Crafco Pour Pot with Wheels.

The Mini Melter 10 is a hand agitated, 10 gallon melter/applicator, that will melt sealant for application in approximately twenty minutes. The wheeled melter easily follows random cracks for efficient crack sealing.

The Wheeled Pour Pot is used to apply a uniform band of sealant to a crack or joint. Wheeled for ease of use and ideally used with the Mini Melter 30.

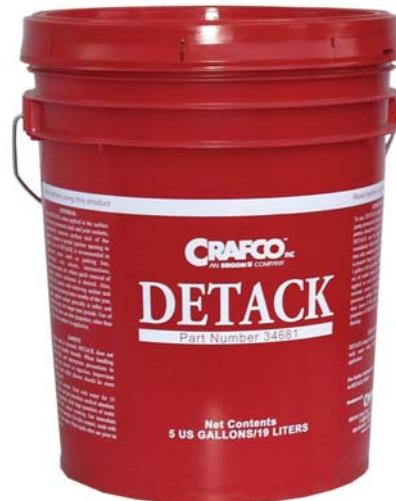
The Mini Melter System is an ideal optional "add on" to the Crafco Super SealCoater.

To double sealant life, rout cracks prior to sealing with the Crafco Pavement Cutter.

- Applies over hot sealant
- Eliminates blotting
- Increases production
- Reduces traffic closures
- Protects sealant integrity

- Eliminates Tracking
- Eliminates sticking
- Decreases labor cost
- Reduces traffic closures

Open traffic immediately after crack sealing by eliminating the "stick" from newly applied hot sealant. **DETACK** is supplied ready to use in 5 gallon (19L) plastic pails. To use, **DETACK** is poured in to typical hand pump pressurized garden sprayers. **DETACK** should be applied to the sealant immediately after sealant is placed, or at any time after sealant is placed when surface tack is present. Usage rate of **DETACK** is typically 1 gallon (3.8L) per 1000-2000 linear feet (305-610m) of sealed cracks. **DETACK** should be applied to cover the sealant surface with minimal excess of application onto the pavement surface.



Tools, Products and Equipment

<u>Part #</u>	<u>Description</u>
S27199 A	Small V-shaped Squeegee w/ wooden handle
S27199 B	Pull-Type V-shaped Squeegee w/ wooden handle
S27195 A	V-shaped Squeegee Rubber Refill (Small)
S27295 B	Pull-Type V-shaped Squeegee Rubber refill
S26010	Heat Transfer Oil - 55 gal. Drum-\$25 drum deposit
S26010 A	Heat Transfers Oil - 5 gal. Pail
S40200 W	Wheels for Speed Bander (steel)
S40200 A	Weld Plates for Speed Bander
S0054	3 Gal. Pour Pot w/ stand and leg
S41A	Chippers Broom Head Only
S53	Wooden Tapered Handle 6' for chipper & steel bristle brooms
S55	Steel Bristle Cleaning Broom w/ handle
S62	Steel Bristle Broom - New Style w/ handle
S58	Asphalt Tack Coating Brush 4" wide
S59	Corn Broom
S60	Asphalt Rake
S56	Asphalt Hand Tamper (Head Only)
S56 A	Asphalt Tamper Handle
S50	30" Aluminum Asphalt Lute Complete
S50 A	36" Aluminum Asphalt Lute Complete
S50 B	42" Aluminum Asphalt Lute Complete
S107-1097	Mini Melter Jr. 10 Gal. 16" L x 16" W x 24" H with 2" molasses valve
S29280	2" Molasses Valve for mini melter and 55 gal. drum
S67	Propane hand Held Torch 10' hose w/ shut off valve
S1235	100# Paf-2 - oxidized, steep, hot pour crack filler
S38012	Hand Cleaner 38 - Pint Bottles
S88	Glenzoil 20 Plus - 5 gal. pails

Pave Pro 100% Organic Asphalt Remover - EPA Approved

Part No. Container Size

S86	5 gal pail
S86A	20 gal drum
S86B	35 gal drum
S86C	55 gal drum

S2GH5P	Pave Pro 2 gallon Hand Sprayer Pump w/ Viton seals *Plus shipping charges
SVMDP	Venus Standard Duty Metal Drum Pump *Plus shipping charges



GREASE, OIL, ROAD TAR ASPHALT CLEANER



Solvall is a ready-to-use, water-rinsable liquid, which easily removes coal tar sealer, asphalt sealer, crack sealer, roofing tar, mastic, tack coat, or oil and grease from washable surfaces. It can be safely used on tools, equipment, vehicles, sidewalks, flooring, siding, clothing and carpeting. Solvall will clean up fresh spills, splatters and over-sprays, as well as caked-on messes.

Part No. S85 1 gal.,
Part No. S85B 1 qt spray bottle



Paving Equipment Cleaner is a safe, effective substitute for diesel fuel to clean and prevent asphalt build up on tools and equipment. Paving Equipment Cleaner starts to work immediately and is non-toxic, non-hazardous, non-flammable, and non-ozone depleting. In addition, Paving Equipment Cleaner is non-reactive.

Part No. S89



Oil-Flo is a specialized product for removing organic stains such as asphalt, tar, oils tree pitch, adhesive stickers, gum, candle wax, silicon caulk, roof tar, oil, etc. It is a versatile and effective cleaner that works especially great for removing graffiti. Oil Flo is safely used on glass, vinyl, concrete, metals, carpets and clothing. Oil Flo is the proven answer to cleaning asphalt, spills, overspray, equipment, clothes, and concrete. Non-volatile.

Part No. S85A 1 gal.

Hot Patchers

Features & Options

Trailer or Chassis Mount

Features

- Double Wall Hopper Construction
- High Temperature Hopper Insulation
- Heavy Duty Frame Construction
- Designed for Easy Loading with Payloader or at the Asphalt Plant
- Rear Curbside Control Operation™ with Automatic Temperature Control and Zone Heating™
- Easy Clean Out at End of Day

Options

- Hydraulic Dumping Hopper
- Safety Lighting
- Overnight Heat
- Heated Tack Tank
- Spray System for Tack Tank
- Solvent Tank for Tack Shovels
- Tool Holder
- Tool Box
- Fire Extinguisher
- Self Contained Auxiliary Power Gas or Diesel Engine
- Quick Connect Hydraulic Lines

Capacity

- 2 to 6 Ton

Heat Sources

- Diesel
- Propane



2 Ton Hot Patcher with Dump Box



4 Ton Hot Patcher with Auger Dispenser and Compressor



6 Ton Dump Chassis Mount



Asphalt Hotbox Reclaimers

- Heated 30 gallon liquid tack tank, thermostatically controlled with 100% safety shut down
- Liquid utility solvent tank
- 60 pound cylinders
- 1000 lb. loading winch and davit
- Hand torch
- Type 2 fuel oil heating system
- Hydraulic brakes
- Self-contained hydraulic dump unit
- Low temperature thermostat (for cold patching materials)
- Electric back-up heat (for overnight, indoor heat maintenance)
- Tool rack
- Model #: KM 4000T, KM 8000T, KM 4000, KM 8000



KM 4000T



KM 8000T



KM 8000

Crack Jet II

“The Premium Crack Preparation Tool”

Features

- Simple, lightweight, one-man crack preparation tool
- Self-contained heat lance made affordable
- Designed to walk behind or tow
- Hot air dries moisture in seconds and blows cracks clean while etching the walls and surface of cracks allowing for maximum adhesion
- Easy to operate, easy to transport
- Eliminate large cumbersome compressors, routers and wire wheels
- Eliminate time and labor costs
- Standard: 5.5 H Honda Engine



Arrow Boards, Portable Changeable Message Signs and Speed Display Trailers

Arrow Board - Trailer Mount

TC: models are trailer-mounted and come in your choice of base model, or an upgraded version.



Speed Display Trailer

SST model represents the ultimate traffic calming device combining the flexibility of modular message sign system together with a portable, light-weight trailer.



Arrow Board - Vehicle Mount

MB Models are vehicle mounted and come in your choice of panel size, lamp and mount types.



Portable Changeable Message Sign - Trailer Mount

TC1-ADS models are solar-powered trailer-mounted dynamic message signs that combine the convenience of an arrow board with the flexibility of a dynamic message sign. The result is a complete family of signs designed to fit any application.



Portable Changeable Message Sign - Vehicle Mount



MB-ADS models combine the flexibility of real-time, dynamic messaging with complete mobility. The result is a family of signs with a universal mounting system designed for trucks and vans that can be customized for a wide range of vehicle makes and styles.

Contact us for additional information on the above

Portable Message Boards - Trailer Mounted

Three-Line Full Size Message Sign

Part # PCMS-1210

Up to three lines of text, 8 Characters per line (12"x18"

On-site programming using unit handheld controller

NTCIP Compliant



Full Matrix Message Sign

Part #PCMS-1500

Full Graphic Capability (30x48 pixels)

On-site programming using unit keyboard or laptop

NTCIP Complaint

Full Matrix Message Sign

Part #PCMS-320

Full Graphic Capability (30x48 pixels) OR three lines

On-site programming using unit keyboard

NTCIP Complaint



Full Matrix Message Sign

Part #PCMS-320 Color

4 LED's per pixel comprised of a cluster of colored LED's
(4x green, 4x white, 4x amber, 4x red)

Easy color graphic LCD touch screen w/inbuilt graphics editor

NTCIP Complaint

Variable Message Signs, Arrow Boards and Radar Speed Signs

Variable Message Signs

Variable message signs are the safest means for notifying motorists of changes in traffic patterns and road conditions.

Full-Matrix Message Signs

- Superior visibility
- Onboard computer
- Multiple numeric fonts
- NTCIP compliant
- Meets MUTCD

<i>Full Matrix</i>	WTMMB
<i>Mini Matrix</i>	WVTM
<i>Metro Matrix</i>	WVTMM



Three-Line Message Signs

- Up to three lines of text
- Onboard computer
- Solar charging system
- NTCIP compliant
- Meets MUTCD

<i>Three-Line</i>	WTLMB
<i>Mini Three-Line</i>	WVT3
<i>Message Sign for Law</i>	WVT3-PD



Truck-Mount Signs

- Full-matrix displays
- Text, graphics, and bold arrows
- Fully programmable
- High-efficiency LEDs
- Superior legibility

<i>Truck Mount</i>	WVMB
<i>LegiBrite</i>	WXMB, WVMB



Variable Message Signs, Arrow Boards and Radar Speed Signs

Arrow Boards

Arrow boards play an essential role in keeping the work zone safe. Highly visible, easy to operate, rugged and dependable.

Arrow Board Trailers

Eco-friendly operation
Energy efficient
Easy to operate and maintain
15-light and 25-light models
Meets MUTCD



Vehicle-Mounted Arrow Boards

Easy to operate and maintain
15-light and 25-light models
Bed and tailgate mounts
Electric power-tilt optional
Meets MUTCD

Vehicle Mount for Size WFB, WB8
Arrow Shaped Signs WSBA, WFBA



Radar-Speed Signs

Commonly deployed in school zones, construction sites, high-accident areas and neighborhoods encouraging the motorist to slow down.

Pole-Mounted Radar-Speed Signs

Configurable activation and violation speed settings
Choice of sizes and mounting options
Batter and solar powered
Optional 365-day timer
Optional warning devices

WSDP, WSD2430P



Radar-Speed Trailers

Large, bright LED characters
Regulatory speed-limit sign
Easy to transport
See-through design
Battery-powered and solar charging



Contact us for additional information on the above

Portable Traffic Signal Systems

SQ2 & SQ2MPR
Portable Traffic Control System



SQ3TS
Portable Traffic Signal With Solar Assist



Sherwin Industries, Inc.
MILWAUKEE, WISCONSIN
ESTABLISHED 1938

Phone: 800-525-8876 • Fax: 414-281-6404

SQ2 & SQ2-MPR Data Sheet

Operating Position

Signal carts per system	4
Signal heads per cart	1
Signal carts per traffic phase	2
Signal cart footprint	31" x 25-1/2"
Signal lamp type	12" diameter LED
Signal height	96" from bottom of green to the road surface (per MUTCD)

Signal Heads

Signal Head Type	Aluminum (yellow)
Visor Type	Poly (black)
Face color options	Standard black / optional yellow
Lamp Type	LED
Lamp size	12 inch diameter
Back plate	Available option

Power Supply

Operating power source	12 volt system / 2 - 12 volt batteries
Battery capacity	7 days of continuous use @ 72°
Charging	110 volt on board charger

System Setup

Lift system	Manual hand crank
Locating signal carts	Manually wheeled into position
Signal cart weight	420 lbs

Available Options

GPS monitoring	Provides information on location, operating status, battery voltage
Knockdown	Allows the Horizon signal to operate in conjunction with a standard street corner controller
Back plates	Provides an additional background around the signal head to enhance visibility
Flagger / pilot car module	Allows the flagger or pilot car driver to control the signal status with built-in safeguards
Traffic counter	Can be attached to the portable signal to count traffic through the work zone
Work zone light	Provides visual signal status inside the work zone
Transport trailer	An enclosed trailer to transport, store and accommodate charging of SQ2 signals

SQ3TS Data Sheet

Operating Position

Signal heads per trailer	2
Lower signal height	96" from bottom of green to the road surface (per MUTCD)
Upper signal height	213" from bottom of green to the road surface (per MUTCD)
Signal head rotation	180 degrees rotation provides flexible trailer placement
Signal lamp types	12" diameter LED
Upper signal arm extension min / max	68" to 109" (from end of trailer)
Solar collection capability	450 watts minimum
Solar panel position	Flat
Stabilizers per trailer	4

Tow Position

Tow type	dual tow signal trailers
Tow length	290-1/2 inches (two trailers)
Tow height	89 inches
Trailer width	85 inches
Trailer weight	3000 lbs. per trailer
Axle Type	Independent Torflex
Tire Size	ST205/75R15 LRC
Trailer brakes	Standard

Signal Heads

Signal Head Type	Aluminum (yellow)
Visor Type	Poly (black)
Face color options	Standard black/optional yellow
Lamp type	LED
Lamp size	12 inch diameter
Back plate	Available option

Available Options

GPS monitoring	Provides information on location, operating status, battery voltage
Knockdown box	Allows Horizon signal to operate in conjunction with a standard street corner controller
Preemption	recognizes emergency vehicles and changes signal status as programmed
Back plates	Provides an additional background around the signal head to enhance visibility
Traffic Actuators	Facilitates traffic actuation through motion sensors or true presences detection
Traffic counter	Can be attached to the portable signal to count traffic through the work zone
Flagger / pilot car module	Allows the flagger or pilot car driver to control the signal status with built-in safeguards
Intelligent traffic sensing	The portable signal system will automatically adjust time based on learned traffic patterns
Work zone light	Provides visual signal status inside the work zone

Power Supply

Operating power source	12 volt system utilizing 16-6 volt batteries
Battery capacity	1720 amp hours at a 20 amp hour rate
Charging option 1	solar via 450 watts minimum per trailer
Charging option 2	110 volt on board charger

Surface Preparation



- Fine cutting depth adjustment.
- Tri-tube handle for strength, front carry bar eases transport.
- Light weight for easy maneuverability.
- Convenient engine stop switch.
- Hexagonal drive-shaft and sealed bearings for longer life.
- Isolation mounts ease operator vibrations.
- Dust control outlet.

Bartell Surface Preparation

S5001	5.5 HP Honda GX160, Gas Motor, w/8" cutting width (SP8G)
S5003	3 HP 230 V/1Ph Elec Moto w/8" cutting width (SP8E)
S5004	5 HP 90 CFM 90 PSI Air Motor w/8" cutting width (SP8A)
S5005	20 CFM 90 PSI Air, Hand Held Unit w/8" cutting width (SP2A)
S5006	13 HP Honda GX390, Gas Motor, w/10" cutting width (SP10G)
SR143	Complete Cage
S50140	2" OD (SP10, SP12) B 3 Cutters
S50142	3" OD (SP10, SP12)
S50146	Empty Cage
S50304	Type B Friction Cage for removal of painted lines on asphalt or concrete, slight surface texture. 5" Path (R132)
S50305	Milling of misaligned sidewalk, scabbling and milling concrete joints, rough surface texture, 7.75 Patt (R134)



PD-39/Accessories and PD-39P



**Model
and/or
Part No.**

- 1 PD-39 070006
- 2 PD-39P 070016
- 3 070330*
- 4 070320*
- 5 070319*
- 6 070334*
- 7 070337*
- 8 070338*

Specifications

(All drivers are equipped with the exclusive Rhino Alloy, Double Valve Piston.)

Light Weight Medium Duty Post Driver with a 3 5/8" (92 mm) I.D. Master Chuck, uses 42 CFM (1.19 m³/min) @ 90 psi (6.4 kg/cm²). Approx. Wt. 39.9 lbs (18.1 kg)

Light Weight Medium Duty Panel Post Driver with a 2 1/8" (53.98 mm) I.D. Chuck, uses 42 CFM (1.19 m³/min) @ 90 psi (6.4 kg/cm²). Approx. Wt. 41 lbs (18.6 kg)

3" (76.2 mm) I.D. PD-39 Chuck Adapter

2 1/2" (63.5 mm) I.D. PD-39 Chuck Adapter

2" (50.8 mm) I.D. PD-39 Chuck Adapter

PD-39 Channel Post Chuck Adapter - 3 to 4 lbs/ft Posts

PD-39 Channel Post Chuck Adapter - 2 to 2.75 lbs/ft Posts

PD-39 Channel Post Chuck Adapter - 1.2 to 1.5 lbs/ft Posts

*Chuck adapters only available for the model PD-39

PD-45 and Accessories



**Model
and/or
Part No.**

- 1 PD-45 070012
- 2 070600
- 3 070601
- 4 070602
- 5 070603
- 6 070606
- 7 071215

Specifications

(All drivers are equipped with the exclusive Rhino Alloy, Double Valve Piston.)

Light Duty Post Driver with a 3" (76.2 mm) I.D. Master Chuck, uses 30 CFM (0.85 m³/min) @ 90 psi (6.4 kg/cm²). Approx. Wt. 46.3 lbs (21 kg)

2 1/2" (63.5 mm) I.D. Chuck Adapter

2" (50.8 mm) I.D. Chuck Adapter

1 1/2" (38.1 mm) I.D. Chuck Adapter

1" (25.4 mm) I.D. Chuck Adapter

Channel Post Chuck Adapter - 1.2 to 1.5 lbs/ft Posts

Rhino PDT-45 Transport Kit includes Transport Accessories as well as:

PD-45 Light Duty Post Driver

PD-45 2-1/2" (63.5 mm) Chuck Adapter

PD-45 2" (50.8 mm) Chuck Adapter

PD-45 1" (25.4 mm) Chuck Adapter

PD-45 Channel Post Adapter

Filter-Regulator-Lubricator and 5 ft. of Hose

*Note: Chuck adapter selection is customizable.

PD-55 and Accessories

Model and/or Part No.	Specifications
<i>(All drivers are equipped with the exclusive Rhino Alloy, Double Valve Piston.)</i>	
1 PD-55 070013	Medium Duty Post Driver with a 3 7/8" (98.4 mm) I.D. Master Chuck, uses 42 CFM (1.19 m ³ /min) @ 90 psi (6.4 kg/cm ²). Approx. Wt. 54.6 lbs (24.8 kg)
2 070609	3 1/2" (88.9 mm) I.D. Chuck Adapter
3 070610	3" (76.2 mm) I.D. Chuck Adapter
4 070611	2 1/2" (63.5 mm) I.D. Chuck Adapter
5 070612	2" (50.8 mm) I.D. Chuck Adapter
6 070613	1 1/2" (38.1 mm) I.D. Chuck Adapter
7 070614	1" (25.4 mm) I.D. Chuck Adapter
8 070617	Channel Post Chuck Adapter - 1.2 to 1.5 lbs/ft Posts
9 070618	Channel Post Chuck Adapter - 2 to 2.75 lbs/ft Posts
10 070619	Channel Post Chuck Adapter - 3 to 4 lbs/ft Posts
11 071216	Rhino PDT-55 Transport Kit includes Transport Accessories as well as: PD-55 Medium Duty Post Driver PD-55 3" (76.2 mm) Chuck Adapter PD-55 2-1/2" (63.5 mm) Chuck Adapter PD-55 2" (50.8 mm) Chuck Adapter PD-55 Channel Post Chuck Adapter Throttle Valve Kit with 15 ft of Hose Filter-Regulator-Lubricator and 5 ft. of Hose

*Note: Chuck adapter selection is customizable.



PD-110 and Accessories

Model and/or Part No.	Specifications
<i>(All drivers are equipped with the exclusive Rhino Alloy, Double Valve Piston.)</i>	
1 PD-110 070014	Medium/Heavy Duty Post Driver with a 4 1/4" (107.9 mm) I.D. Master Chuck, uses 64 CFM (1.81 m ³ /min.) @ 100 psi (7 kg/cm ²). Approx. Wt. 109.16 lbs (49.5 kg)
2 070622	3 5/8" (92 mm) I.D. Chuck Adapter
3 070623	3" (76.2 mm) I.D. Chuck Adapter
4 070624	2 1/2" (63.5 mm) I.D. Chuck Adapter
5 070625	2" (50.8 mm) I.D. Chuck Adapter
6 070628	Channel Post Chuck Adapter - 1.2 to 1.5 lbs/ft Posts
7 070629	Channel Post Chuck Adapter - 2 to 2.75 lbs/ft Posts
8 070630	Channel Post Chuck Adapter - 3 to 4 lbs/ft Posts
9 071217	Rhino PDT-110 Transport Kit includes Transport Accessories as well as: PD-110 3" (76.2 mm) Chuck Adapter PD-110 Channel Post Chuck Adapter Throttle Valve Kit with 15 ft of Hose Filter-Regulator-Lubricator with Carrier and 5 ft. of Hose

*Note: Chuck adapter selection is customizable.



PD-140 and Accessories

**Model
and/or
Part No.**

Specifications

(All drivers are equipped with the exclusive Rhino Alloy, Double Valve Piston.)

1	PD-140 070015	Heavy Duty Post Driver with a 4 1/4" (107.9 mm) I.D. Master Chuck, uses 64 CFM (1.81 m ³ /min) @ 100 psi (7 kg/cm ²). Approx. Wt. 138.40 lbs (62.8 kg)
2	070634	3 5/8" (92 mm) I.D. Chuck Adapter
3	070635	3" (76.2 mm) I.D. Chuck Adapter
4	070636	2 1/2" (63.5 mm) I.D. Chuck Adapter
5	070640	Channel Post Chuck Adapter - 1.2 to 1.5 lbs/ft Posts
6	070641	Channel Post Chuck Adapter - 2 to 2.75 lbs/ft Posts
7	070642	Channel Post Chuck Adapter - 3 to 4 lbs/ft Posts
8	070061	4" x 6" (101 mm x 152 mm) H Column Chuck
9	070062	4" x 6" (101 mm x 152 mm) H Column Driving Cap
10	070063	4" x 4" (101 mm x 101 mm) Wood Post Chuck
11	071218	Rhino PDT-140 Transport Kit includes Transport Accessories as well as: PD-140 3" (76.2 mm) Chuck Adapter PD-140 Channel Post Chuck Adapter Throttle Valve Kit with 15 ft of Hose Filter-Regulator-Lubricator and 5 ft. of Hose

*Note: Chuck adapter selection is customizable.



MP-3 Accessories Specifications

**Model and/or
Part No.**

Height

**Base
Dimensions**

**Handle
Length Extended**

Weight

1	MP-3 071012*	41" 1.04 m	9-1/2" x 12" 241 mm x 304 mm	60" 1.52 m	41.25 lbs 18.71 kg
2	220422	Chain Assembly is 45.25" (1.15 m) long, 3/8" (9.25 mm) Grade 80 Alloy Chain with 3.5 Ton (3.17 MT) Grab Hook and 3 Ton (2.72 MT) Swivel Hook Weighing 9.44 lbs (4.28 kg).			
3	071040	Post Grabber with an Opening of 4-3/8" Wide x 2-1/2" Deep (111 mm x 63.5 mm) for the Post to be Pulled and a 1-1/2" (38.1 mm) Hook Eye Opening, Weighing 11.50 lbs (5.22 kg).			
4	071041	Panel Post Grabber for Pulling 1-5/8" (41.3 mm) Line Posts Between Temporary Fence Panels. Weighing 2 lbs (0.9 kg).			

*The model MP-3, Part No. 071012, includes the Chain Assembly and Post Grabber



PL-3 Accessories Specifications

**Model and/or
Part No.**

Height

**Width &
Length**

**Hook
Opening**

Cable

**Pulling
Stroke**

Weight

1	PL-3 071000	36 3/4" 934 mm	12" x 12-1/4" 305mm x 311 mm	1" 25.4 mm	3/8" 9.5 mm	39" 990 mm	53 lbs 24 kg
2	071040	Post Grabber with an Opening of 4-3/8" Wide x 2-1/2" Deep (111 mm x 63.5 mm) for the Post to be Pulled and a 1-1/2" (38.1 mm) Hook Eye Opening, Weighing 11.50 lbs (5.22 kg).					



LineLazer 3400

The LineLazer 3400 is the preferred choice with parking lot and seal coating contractors who are looking for professional performance and features, in a one-gun machine.

Easy Reach Controls

- Operator controls are located right of the handle bars
- You can fine tune the striping system operation without stopping

Swivel Front Wheel

- Provides easier “up the curb” parking lot striping with the ability to also stripe arcs and curves
- Tapered locking pin design for years of dependable operation

Handle Bar Design

- High-comfort design for greater stiper control and less operator fatigue
- Contoured grips comfortable fit your hands

Electronic Pressure Control

- Accurate, tight tolerance system for excellent line quality

Easy-Roll Wheel Design

- Tall, low friction wheels push easier for reduced operator fatigue

Chromex™ Pump Rod

- Long life rod treatment built for the most demanding applications
- 4 times harder than ordinary chrome



DESCRIPTION	PART NUMBER	MAX TIP SIZE	MAX GPM (LPM)	MAX PSI (BAR)
LineLazer 3400	248861	0.027 (1 Gun)	0.75 (2.8)	3300 (227)



Exclusive, Single-stage gear drive system



Simple to use parking brake system



Durable, swivel front wheel

LineLazer IV 3900 & 5900 Auto-Layout System

Both the LineLazer IV 3900 and 5900 featuring the exclusive new Auto-Layout System allow you to do layout jobs without the hassle and “pain” - only from Graco.

New Digital Display

- The display now shows psi, mph, mils-instant average, lineal foot, gallons and mils-total - all on one screen
- Simple push button design makes it easy to use
- Back-lit feature can be seen in all conditions

Exclusive Durable Can Holder Design

- Folds up for on-board storage
- Pivots forward or backwards if hit
- Built to last in all conditions

Rear Gun Mount System

- Ability to place the guns near the rear axle for applying straighter long lines and smoother curved lines
- Combine with Auto-Layout System for one pass dot marking and line striping

Advanced Vibration Reduction System

- Removes engine vibration, taking line quality to the next level
- Up to 60% less vibration at the spray tip than the competition

Chromex Pump Rod

- Long life rod treatment built for the most demanding applications
- 4 times harder than ordinary chrome

Flow-Through Easy Out Filter

- Filter element removes with the cap for convenient, mess-free access
- Flow-through design flushed faster for quicker color changes



**LineLazer IV 3900
Auto-Layout System**



**LineLazer IV 5900
Auto-Layout System**



New digital display show it all



No-tool adjustment and storage



No-tool electrical connector system

DESCRIPTION	PART NUMBER	MAX TIP SIZE	MAX GPM (LPM)	MAX PSI (BAR)
LineLazer IV 3900 Auto-Layout System	253920 (1 Gun)	0.036 (1 Gun)	1.25 (4.7)	3300 (227)
LineLazer IV 3900 Auto-Layout System	253953 (2 Gun)	0.025 (2 Gun)	1.25 (4.7)	3300 (227)
LineLazer IV 5900 Auto-Layout System	253921 (1 Gun)	0.043 (1 Gun)	1.60 (6.0)	3300 (227)
LineLazer IV 5900 Auto-Layout System	253954 (2Gun)	0.029 (2 Gun)	1.60 (6.0)	3300 (227)

LineLazer IV 200 HS

Advanced Vibration Reduction System

- Removes engine vibration, taking line quality to the next level
- Up to 60% less vibration at the spray tip than the competition

High-Capacity Cooling System

- 20% larger, hydraulic fluid reservoir keeps the system running cool
- Innovative cooling fins wrap down and under the reservoir for improved air flow

Cooling Fan Design

- Exclusive design delivers nearly 70% more air flow to keep the hydraulic pump running cool

SmartControl Pressure Control

- Provides consistent spraying pressure, reducing pulsation and line variation
- Digital Tracking System keep you informed-on the job

Chromex Pump Rod

- Long life rod treatment built for the most demanding applications
- 4 times harder than ordinary chromex

Flow-Through Easy Out Filter

- Filter screen removes with the cap for convenient, mess-free access
- Flow through design flushes faster for quicker color changes



DESCRIPTION	PART NUMBER	MAX TIP SIZE	MAX GPM (LPM)	MAX PSI (BAR)
LineLazer IV 200HS	248870 (1 Gun)	0.047 (1 Gun)	2.15 (8.14)	3300 (227)
LineLazer IV 200HS	248871 (2 Gun)	0.034 (2 Gun)	2.15 (8.14)	3300 (227)



High-efficiency hydraulic motor



Exclusive cooling fan design



High capacity reservoir runs cool

LineLazer IV 250SPS

Automatic Gun Control System

- Manual or automatic paint and bead guns with the push of a button

Electric Clutch System

- Completely disengages engine for fast starting

25-Gallon Paint Hopper

- Extended striping time now possible with large capacity hopper - meaning fewer refills.

Honda® 9 HP GX Engine

- Industry proven performance with the most demanded engine by contractors.

Graco Hydraulic Motor System

- Exclusive, no-stall hydraulic motor for uninterrupted performance

Flex Plus Guns

- Industry proven paint guns provide precise lines.

Endurance™ Piston Pump System

- Long life pump provides precise flow for wide range of striping materials.

Rear Stand-on or Flip-up Platform System

- Integrated platform provides ergonomic place for standing, great sight line and all-day comfort or flip-up platform for walk-behind option

Rear Gun Mount System

- Provides straighter long lines - perfect for bike paths, airports and other long line jobs.

Self-Centering Front Wheel

- Eliminates one user interface for simpler operation. *An industry first!*

The LineLazer IV 250SPS is the definitive striping solution, driving user friendliness and maximum productivity. The unit's unique features such as standing and striping and the multi-position handlebars along with automatic paint guns make the LineLazer IV 250SPS the market's only stand against striping!



Description: LineLazer IV 250SPS

Part Number: 24F307 (2 Gun)

Max Tip Size: 0.055 (1 Gun); 0.039 (2 Gun)

Max GPM (LPM): 2.5 (9.5)

Max PSI (BAR): 3300 (227)

Honda GX Engine CC (HP): 270 (9.0)

Weight LBS (KG): 450 (204)

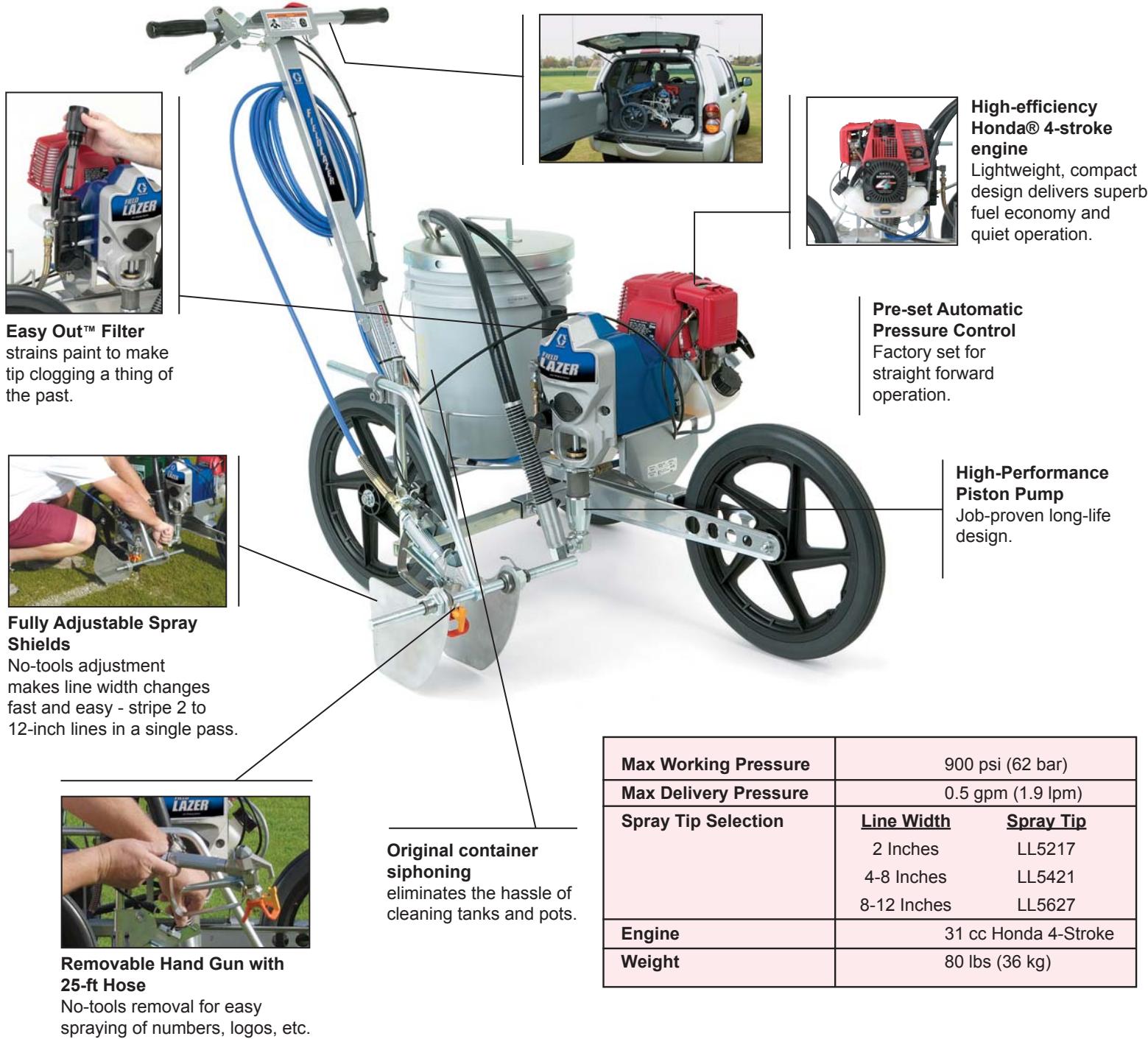


FieldLazer

Leave the Heavy Work to the Players.

With its low weight and specially designed cart, FieldLazer is easy to use on the field. Each component on FieldLazer is designed to deliver superior performance in a lightweight and compact package.

At just under 80 pounds, FieldLazer weighs in as the easiest-to-push airless field striper. The exclusive tall-wheel cart rolls easily over ruts and cleat marks that can cause smaller-wheeled machines to dip and dive. The result is less operator fatigue and straighter lines!



Max Working Pressure	900 psi (62 bar)	
Max Delivery Pressure	0.5 gpm (1.9 lpm)	
Spray Tip Selection	Line Width	Spray Tip
	2 Inches	LL5217
	4-8 Inches	LL5421
	8-12 Inches	LL5627
Engine	31 cc Honda 4-Stroke	
Weight	80 lbs (36 kg)	

RoadLazer RoadPak

RoadLazer RoadPack System is a modular hydraulic truck-mounted striping system built for the professional road striping contractor. It is available in eight “ready-to-stripe” systems or can be custom designed by users.

Bead Tank Kit

- With 450lb of bead capacity you will need fewer stops to refill. A proven design means you will seldom have to worry about on-road repairs or plugged up bead guns.

1 or 2-Pump RoadPak System

- Ultimate flexibility for those needing only 1 color or striping contractors who are growing into 2-color applications where it's simple and easy to switch between yellow and white stripes with a twist of a lever.

Slide-In or Single Hitch Systems

- Best of both worlds now is yours with the choice of either a Slide-In (flat bed truck, utility vehicle, etc.) or a new Single Hitch System (pickup truck with 2 in receiver).

Double Acting Bead Gun

- New double acting bead guns assure you in having no issues in fully covering the paint line with beads and making sure the start and stop are exactly where you want them.

Adjustable Bead Deflector

- New optional finger-adjustable bead defectors allows you to dial in your bead pattern to the exact width needed for the job, saving you money by not over pouring the line with beads.

Heavy-Duty Compressor

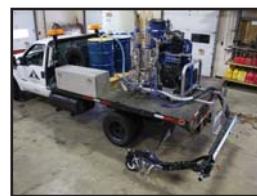
- New 100 psi at 13.1 cfm means you now have all the air you need to make sure that your guns (paint and bead) are going to turn on and off to assure you the best possible starts and stops for your paint lines. Plus, you get a 2.2 gallon Ac cumulation Tank for your air accessories, such as the hand bead gun.

Kohler® Power

- 18 hp Kohler engine supplies the needed power for making sure you have a proven, reliable engine for your striping needs. With over 15 years of proven experience on the RoadLazer, we're confident Kohler will continue to deliver exceptional performance for years to come.



Pickup Truck



Flatbed Truck



Utility Vehicle



Utility Vehicle

ThermoLazer

The industry-leading experts that brought you the ground-breaking LineLazer™ family of stripers in 1990 have done it again by changing the game in thermoplastic striping technology. Introducing the new **ThermoLazer**. Graco, the airless line-striper leader has created the most user-friendly, innovative thermoplastic stiper to hit the streets. Check out some of the exclusive, market changing features below and see for yourself where the next generation of thermoplastic stripers is heading - **Only on a Graco!**

ControlFlow™ System

Precise material flow control with a pull of a lever. Patent pending.



SplitBead™ Hopper System
Split hopper holds over 90lbs (40 kg) of beads. Simple conversion to dual bead system with optional kit. Patent pending.

Bead Dispense System
No-tool system allows fast and flexible line width changes. Patent pending.

Infrared Die Heater System
Reliable, safe system to keep die ready to use. No open flame.

LineDriver™ Compatible

Improve production, reduce fatigue and provide higher line quality. Patented.



HighCap™ Hopper System

20-50% larger for fewer refills - 300 lbs (136 kg) for maximum productivity.

Electronic Ignition System

Simple and safe to use. Push of a button is all it takes.

Fat Track™ Front Swivel Wheel System

Proven front caster wheel system makes turning fast and easy. Patented.

EasyGlide™ System

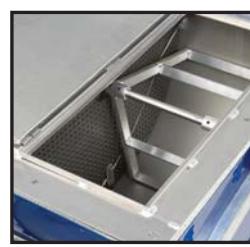
First thermoplastic line stiper with dual rear wheels with single front caster for LineLazer-like handling. Patent pending.

SPECIFICATIONS:

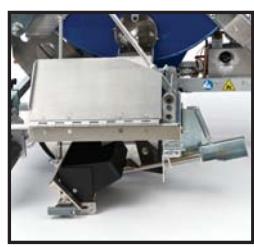
Part Numbers	258699 - North America (includes 4 in/10 cm die)
	258700 - International (no die included)
Material Capacity.....	300 lbs (136 kg)
Available Dies.....	4 in/10cm, 5 in/12cm, 6 in/15cm, 7 in/18cm 8 in/20cm, 9 in/22.5cm, 10 in/26cm, 12 in/30cm, 4 x 4 x 4 in/10 x 10 x 10cm, 4 x 3 x 4 in/10 x 8 x 10cm
Fuel Source.....	LP Gas (LP tank NOT included)
Main Burners	Twin Ransom/20,000 BTU
Die Heater	Infrared Technology
Bead Hopper Capacity	90 lbs (40 kg)



EasEZ-Steer™ Handle Bar System
Makes turning and handling as easy as a LineLazer.



PaddleMax™ Dual Paddle Mixing System
Requires 50% less effort to mix material. Patent pending.



SmartDie™ Installation and Removal System
Allows quick and effortless line width changes. Patent pending.

GrindLazer 270

GrindLazer 270 (Patent Pending)

DESCRIPTION	PART #
GrindLazer 270 (Bare)	571002
GrindLazer 270, 8 in Cut, 8 point Flail complete, 114 cutters, 186 spacers	571018
GrindLazer 270, 8 in cut 6 point Miller complete 42 cutters, 132 spacers	571021

SPECIFICATIONS

Maximum Cut Width in (cm):	8 (20)
Cut Direction:	Forward
Removal Rate (walk)	600 sq ft/hr
Removal Rate (ride)	1300 sq ft/hr
Honda Engine CC (HP)	270 (9.0)
Weight lbs (kg)	300 (136)
Prostart System	Heavy-Duty
Air Cleaner	Cyclone

OPTIONAL LineDriver

LineDriver and LineDriver HD adaptable, doubles your production while it eliminates user fatigue.



- Now get higher productivity, straighter line removal with less fatigue
- Move between removal jobs without having to push
- Load and unload GrindLasers with ease

The **GrindLazer 270** is the perfect scarifier for removing parking lot lines. Its EasyGlide Wheel Mount System makes it as easy to use as a LineLazer and its rugged, innovative design means you can count on it to perform for a lifetime of use.



TriBelt™ Drive System

- 3-cog belt design optimizes power transfer and maximum load handling
- Eliminates costly downtime



EasyGlide Wheel Mount System

- Front mounted caster along with dual rear pneumatic air-filled tires makes handling safe and easy to maneuver as a LineLazer
- Pneumatic air-filled tires helps eliminate vibration



Fat Track Front Swivel Wheel

- Proven front caster wheel system makes turning fast and easy
- Maneuver curves better
- No need to "muscle" it while moving

Heavy-Duty ProStart System

- Centrifugal clutch allows easy starting and shut off of cutters providing one of the safest units on the market today
- Easy to start in cold weather
- Eliminated broken recoil
- Provides longer belt life



GrindLazer 390

GrindLazer 390 (Patent Pending)

DESCRIPTION	PART #
GrindLazer 390 (Bare)	571003
GrindLazer 390, 10 in Cut, 8 point Flail complete, 138 cutters, 150 spacers	571018
GrindLazer 390, 10 in cut 6 point Miller complete 54 cutters, 66 spacers	571022

SPECIFICATIONS

Maximum Cut	
Width in (cm):	10 (25)
Cut Direction:	Forward
Removal Rate (walk)	800 sq ft/hr
Removal Rate (ride)	1700 sq ft/hr
Honda Engine CC (HP)	390 (13.0)
Weight lbs (kg)	310 (140)
Prostart System	Heavy-Duty
Air Cleaner	Cyclone

OPTIONAL LineDriver

LineDriver and LineDriver HD adaptable, doubles your production while it eliminates user fatigue.



- Now get higher productivity, straighter line removal with less fatigue
- Move between removal jobs without having to push
- Load and unload GrindLasers with ease

The **GrindLazer 390** is the contractor choice for all-around scarifying jobs including parking lot lines, intersection markings, construction zones and sidewalk smoothing. With the optional LineDriver system its productivity is unmatched and means you can get more work done everyday without the fatigue from walking.

Vibration Reduction Technology

- Pneumatic air-filled tires, comfort grips, LineLazer-like cart design combine to eliminate vibration reducing user fatigue
- Comfort-grip handle bars for precise steering
- Up to 4 times less vibration than the competition

DialDown™ Depth Control System

- "Forward Cut" precise cutting depth with multiple position depth control
- Simple and easy to "dial-down" to optimum depth



Heavy-Duty ProStart System

- Centrifugal clutch allows easy starting and shut off of cutters providing one of the safest units on the market today
- Easy to start in cold weather
- Eliminates broken recoils
- Provides longer belt life

InstaCut Technology

- Only unit to offer "hand-on" engagement of the cutting deck system for up or down position
- Provides ultimate flexibility for removal and inlay
- No-tool system
- Allows deck to "float" when on uneven surfaces



GrindLazer 480

GrindLazer 480 (Patent Pending)

DESCRIPTION	PART #
GrindLazer 480 (Bare)	571004
GrindLazer 480, 10 in Cut, 8 point Flail complete, 138 cutters, 150 spacers	571008
GrindLazer 480, 10 in cut 6 point Miller complete 54 cutters, 66 spacers	571023
GrindLazer 480, 10 in cut, 5 point Diamond complete, 38 blades, 41 spacers	571010
GrindLazer 480, 5 in cut, 5 point Diamond complete, 19 blades, 42 spacers	571010

SPECIFICATIONS

Maximum Cut	10 (25)
Width in (cm):	Reverse
Cut Direction:	"UP-Cut"
Removal Rate (ride)	2100 sq ft/hr
Vanguard engine CC (HP)	480 (16.0)
Weight lbs (kg)	330 (150)
Prostart	Extreme-Duty
Air Filter	2-Stage Heavy-Duty



LineDriver Required

GrindLazer 480 with Reverse/"Up-Cut" cutting direction requires the use of a LineDriver Propel System. The GrindLazer 480 unit cannot operate without a LineDriver due to the ProStart safety switch interlock system.

The **GrindLazer 480** is the high production choice when it comes to the most demanding scarifier jobs. With its "Up-Cut" cutting direction you not only are able to remove all types of lines found on parking lots or roadways but now have the power to do inlay/grooving jobs. Combined with the LineDriver you'll finish jobs faster and more accurately than ever before!



Extreme Duty ProStart System

- Centrifugal clutch allows easy starting and shut off of cutters providing one of the safest units on the market today
- Easy to start in cold weather
- Eliminates broken recoils
- Provides longer belt life



InstaCut Technology

- Only unit to offer "hands-on" engagement of the cutting deck system for up or down position
- Provides ultimate flexibility for removal and inlay
- Allows deck to "float" when on uneven surfaces
- Provides longer belt life



EasEZ-Steer Handle Bar System

- Makes turning and handling simple as a LineLazer
- Fully adjustable handles for all size users
- Reduces vibration



Cutter Assemblies for GrindLazers

8 Point Flail: Tungsten Carbide Cutter		Applications: All purpose removal of paint, epoxy and thermoplastic markings, bump-smoothing and anti-slip grooving.							
Part Number	Description	Cut Width	Cutters	Spacers	End Rods	Plates	GrindLazer		
							270	390	480
24D182	Completely assembled drum for General Purpose*	*6 in / 15.25 cm	84	234	6	2	✓	✓	✓
24D180	Completely assembled drum for General Purpose*	*8 in / 20.5 cm	114	186	6	2	✓	✓	✓
24B957	Completely assembled drum for General Purpose*	*10 in / 25.5 cm	138	150	6	2	—	✓	✓
24D610	Drum Without Cutters	—	—	—	6	2	✓	✓	✓
24D979	Replacement Drum Rods	—	—	—	6	—	✓	✓	✓
24D980	Replacement Drum End Plates	—	—	—	—	2	✓	✓	✓
24D612	Replacement 8 pt Flail Tungsten Carbide Cutters (20 per pack)	—	20	—	—	—	✓	✓	✓
24D981	Replacement Steel Spacers (20 per pack)	—	—	20	—	—	✓	✓	✓

*For additional widths and/or cutter setups please see repair manual.



6 Point Miller: Tungsten Carbide Cutter		Applications: Specifically used for thermoplastic, tape and thick material build up.							
Part Number	Description	Cut Width	Cutters	Spacers	End Rods	Plates	GrindLazer		
							270	390	480
24E214	Completely assembled drum with cutters	*6 in / 15.25 cm	30	204	6	2	✓	✓	✓
24D585	Completely assembled drum with cutters	*8 in / 20.5 cm	42	132	6	2	✓	✓	✓
24D183	Completely assembled drum with cutters	*10 in / 25.5 cm	54	66	6	2	—	✓	✓
24D613	Replacement 6 pt Miller Tungsten Carbide Cutters (6 per pack)	—	6	—	—	—	✓	✓	✓

*For additional widths and/or cutter setups please see repair manual.



DynaCut Diamond Blade Cutter		Applications: Specifically used for concrete and asphalt pavement to groove and/or inlay							
Part Number	Description	Cut Width	Cutters	1/8" Blade Spacers	1/4" End Rods	Square Key	GrindLazer		
							270	390	480
24B965	Completely assembled drum for pavement grooving/inlay	*5 in / 12.75 cm	19	21	21	2	—	—	✓
24D583	Completely assembled drum for pavement grooving/inlay	*10 in / 25.5 cm	38	39	2	2	—	—	✓
24E289	Single, diamond blade (5pt)	*1/4 in / 6.35 cm	1	—	—	—	—	—	✓

*For additional widths and/or cutter setups please see repair manual.



LineDriver and LineDriver HD Ride-On System

Exclusive ProStart Engine Starting System (HD model)

- Up to 50% less pulling effort to start the engine - no more broken recoils
- Out performs manual pull and electric start systems when the weather starts turning cooler
- Patent pending design

Exclusive Advanced Vibration Reduction

- Proven system with LineLazer IV, system now used on the LineDrivers to eliminate engine vibration
- Eliminates user fatigue and helps keep line quality the best in the industry

Exclusive FlexBeam Break-A-Way Light System

- Fully adjustable for all types of low light applications
- Break-A-Way design helps protect costly repairs and keeps you on the job

Exclusive LineDriver & LineDriver HD Features

- Forward speeds to 10 mph (16km/h), reverse 6 mph (10km/h)
- New off set Parking Brake System
- New "Cool Grey" operator seat - 20% cooler than black seats
- New "No Maintenance" Hydrostatic Pump System
- New "ALL-Terrain" smooth ride tires (HD Model)



LineDriver



LineDriver HD

DESCRIPTION	PART #	ENGINE	FUEL TANK CAPACITY	OPERATING SPEED
LineDriver, Ride-On System	262004	160 cc Honda GX	.95 gal (3.6 L)	Up to 10 mph (16 km/h)
LineDriver HD, Ride-On System	262005	200 cc Honda GX	.95 gal (3.6 L)	Up to 10 mph (16 km/h)



Dual foot pedal system for forward and reverse (patented)



Complete striping jobs faster and more accurately with LineDriver & LineDriver HD

PAVEMENT MARKING

Guidance Lasers

THE SYSTEM

The GL3000 Series lasers use an ultra high visibility green laser to establish visual line control.

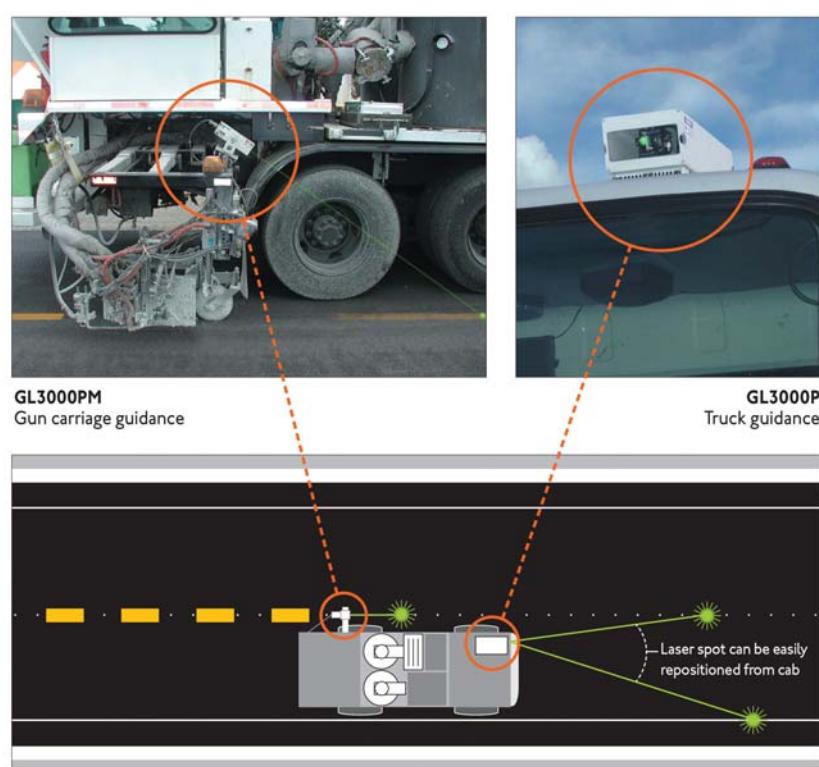
SGL3000P: Guidance Laser Complete w/Remote In-Cab Line Adjust

SGL3000PM: Guidance Laser Complete w/Manual Line Adjust

SNPM-M: Magnetic Foot (4 required for 3000P, 2 required for 3000PM)

SNPM-CA: Cigarette Adaptor Power Cord

It is fast to set up and easy to use.



GL3000PM gun carriage guidance and GL3000P truck guidance from bird's-eye view.

SPECIFICATIONS

Laser: 532nm Class 111A Green Laser

Power: 11-15 Volt DC Positive or Negative Ground

Power Draw: 4.00 Amps (Maximum Operating), 0.03 Amps (Sleep Mode)

Laser Housing GL3000P (Remote):

Height: 6 1/8 Inches

Length: 12 Inches

Width-Housing: 6 1/2 Inches

Base: 9 1/2 Inches

Laser Housing GL3000PM (Manual):

Height: 4 1/2 Inches

Length: 9 Inches

Width Housing: 3 3/4 Inches

Base: 4 1/4 Inches

Cable length from Laser Housing to Control Box: 20 Feet

12 Volt Power Cable Length from Control Box: 5 Feet

Shipping Weight: 25 lbs.

- Main Housing - Weatherproof, containing optic plate mounting platform, micro processor electronics, laser, laser mounting assembly, laser driver board, automatic cooling and heating system, and in the remote version, X-Y positioning control mechanism, drive motors, and optics. The entire unit is dry nitrogen purged to protect all components.
- 20 Feet of Interconnect Cable with a waterproof, mil spec, in-line connector mounted between the laser main housing and the control panel mounted in the cab.

Highway Glass Beads Type 1

Embedding glass beads into highway safety markings creates reflective lines that shine through darkness, rain and fog to direct drivers more safely along the road.

SGBTY1: Glass Beads Type 1 - 1325C Highway Spec (50 lb. bags)



Airport Glass Beads Type III

Type III (1.9 Index of Refraction (IOR)) airport beads has the best retro-reflectivity, initially and over time.

SGBTY3: Airport Beads Type 3 - TTB-1325C (50 lb. bags)



PAVEMENT MARKING

Traffic Marking Paint

Acrylic Latex Traffic & Zone Marking Paints

Latex acrylic marking paints are designed to meet demanding performance standards of professional contractors as well as state and local government spec. contracts. Latex benefits include: high-build properties, cleanup with water, low VOC's, Best for applications over fresh sealcoat when dry-time is not important.

Available in regular dry and fast dry

Packaged: Five (5) Gallons, Fifty-Five (55) Gallons

Colors: Yellow, White, Blue, Red, and Black

Alkyd Zone Marking Paints

Heavy-duty Alkyd based Marking Paints are high-viscosity, high-build paints designed for striping of concrete, curbs, restriping existing lines, warehouse aisles, and more.

Packaged: Five (5) Gallons, Fifty-Five (55) Gallons

Colors: Yellow, White, Blue, and Red



Ask Us Which Resin System is Best For:

- Parking Lots
- Crosswalks
- Curbs & Medians
- Airport Runways
- Fire Lanes
- Warehouse Aisles
- Roads & Highways
- Running Tracks
- Centerlines
- Bike Lanes
- Handicap Parking
- Arrows & Markings

• CHLORINATED RUBBER - Fed. Spec. A-A-2886(B) type II
Made with real rubber for superior film builds and wear resistance.
Best for re-striping lines, crosswalks, airports, roads, centerlines
heavy traffic areas, and especially concrete.

• ALKYD - Fed. Spec. A-A-2886(B) type II
Heavy-duty, high-viscosity coating for striping concrete, old asphalt
and re-striping. Similar to Chlorinated without the added rubber.

• ACRYLIC LATEX - Fed. Spec. TT-P-1952B
Water-based formula for easy clean-up with mild soap and water.
Acrylic marking paint is best for freshly seal-coated surfaces and
new or old asphalt.

• FAST-DRY ACRYLIC LATEX - Fed. Spec. TT-P-1952E
For Professionals & Contractors for quick turn-around and drive-on
time. (*Spray equipment only - not recommended for brush or roll*)

• TOLUENE-BASED THINNER
For use with alkyd and chlorinated-based traffic & zone marking
paints.



Stencils



American Stencil 1/8 inch Poly-Vinyl-Paint Stencils

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
S96	2" Letters & Numbers (1/16" poly)	S109	72" Letters
S97	3" Letters & Numbers (1/16" poly)	S109A	72" Numbers
S98	4" Letters	S110	96" Letters with 6" stroke
S99	4" Numbers	S110A	96" Letters with 4" stroke
S100	6" Letters	S110B	96" Numbers with 6" stroke
S101	6" Numbers	S110C	96" Numbers with 4" stroke
S101A	8" Letters	S111	Handicap Symbol (24x36x2" stroke)
S101B	8" Numbers	S111A	Handicap Symbol (33x42x2-3/4" stroke)
S102	10" Numbers	S111B	Box for Handicap Symbols (40x45")
S102A	10" Letters	S111C	Handicap Symbol (36x42x3-1/2" stroke)
S103	12" Numbers	S111D	Handicap Symbol (H 24-1/2xW 22")
S104	12" Letters	S112	Handicap Symbol (12x18x1-1/4" stroke)
S104A	18" Letters	S112A	Handicap Symbol w/border (20x32")
S104b	18" Numbers	S112B	22" Combination 3 pc. Arrow Kit
S105	24" Numbers	S113	6' Straight Arrow (2 piece)
S106	24" Letters	S114	6' Curved Arrow (2 piece)
S107	36" Letters	S115	6' Arrow with Curved and Straight Tails (3 piece)
S107A	36" Numbers	S115A	5' Straight Arrow (1 piece)
S108	48" Numbers	S115B	5' Curved Arrow (1 piece)
S108A	48" Letters	S115C	3 pc. Arrow Kit
S108B	48" x 10" Wide Letters "B,I,K,E,L, A,N,E,O,N,L,Y,X,-I,N,G" any single letter or combination of	S116	5' "R" for rail road crossing (2'x5'x6" stroke)
		S116A	6' Federal Spec "R" for Rail Road Crossing (1'x6'x3" stroke)
		S116B	6'6" "R" for rail road - Penn DOT Special

PAVEMENT MARKING

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
S117	6' "R" for rail road crossing (2'x6'x6" stroke)	S130	10" Asst
S117A	"X" for rail road crossing	S131	10" Chief
S117B	"X" for rail road crossing - Penn DOT Special	S131A	10" Stop
S118	Federal Curved Arrow	S132	10" Fire
S118A	Federal Combo Tail	S133	10" Lane
S119	Federal Straight Arrow	S134	10" Zone
S119A	Penn DOT Curved Arrow	S135	10" Taxi
S119B	Penn DOT Straight Arrow	S136	10" Mgr.
S119C	3 pc. Large Arrow Kit	S137	10" Doctor
S119D	Straight Arrow	S138	10" President
S119E	Curve Arrow	S139	10" Reserved (condensed)
S119F	Straight Arrow	S139A	10" Reserved
S119G	Curve & Straight Arrow Combination	S139B	10" Parking
S119H	Straight Outline Arrow	S140	10" Vice
S119I	Curved Outline Arrow	S140A	10" Only
S119J	3 pc. Large Arrow Kit	S141	10" Visitor
S119K	Set Straight & Curved Arrow	S141A	10" Compact
S119L	Fed U-Turn Arrow	S141B	10" Cars
S119M	FED: Lane Reduction Arrow	S141C	6" Parking
S120	Stop Bar (8'x16")	S141D	6" Only
S120A	Stop Bar (8'x24")	S142	6" No Parking
S121	Stop Bar (8'x12")	S142A	6" Compact
S122	Stop Bar (8'x6")	S142B	10" One Way (1 piece)
S123	Stop Bar (8'x4")	S143	10" No Parking
S123A	Barricade Stripe (6"x72")	S144	6" Handicap
S123B	Bicycle Loop (17"x43")	S145	Multi-Purpose Arrow (straight 22")
S124	Fire Hydrant Symbol w/Arrow (18"x33")	S146	Multi-Purpose Arrow (curved 24")
S124A	Child Running (25"x48")	S146B	6" Stop-Look (1 piece)
S124B	Bike Lane Symbol (17"x33")	S147	6" No Skateboarding
S125	Maltese Cross Symbol (37"x37")	S148	6" No Diving
S125A	Pedestrian Crossing Symbol (36"x60")	S148A	6" No Running
S125B	Bike Lane Symbol (24"x48")	S149	6" Visitor
S125C	Hopscotch Board w/Numbers (96"x24")	S150	6" Exit
S125D	Bike Lane Symbol w/Arrow	S150A	6" Accessible
S125E	Hopscotch Board w/Numbers (36"x104")	S150B	6" Van
S126	Bike Lane Symbol (40"x60")	S150C	6" Loading
S126A	Bike Trail Symbol (65"x40")	S151	6" No Smoking
S126B	"No Bicycle" Symbol 42" Diameter	S151A	6" Reserved
S126C	Bicycle Diamond 36"x72"	S151B	Football Yard Marker
S126D	10" Senior	S152	36" Football Field Kit - roman style (0,1,2,3,4,5,G)
S127	10" Manager	S152A	72" Football Field Kit - roman style (0,1,2,3,4,5,G)
S127A	10" Handicap	S152B	36" Running Track Kit - 1-8 & Markers
S128	10" Loading	S152C	Shuffle Board Kit - includes numbers set & word OFF
S128A	10" Customer	S153	12" No
S129	10" Stand		



<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
S154	12" Parking	S175	8" Fired
S155	12" Fire	S176	8" Lane
S156	12" Lane	S177	8" Zone
S157	12" Zone	S178	8" Taxi
S157A	12" Compact	S179	8" MGR
S157B	12" Loading	S180	8" Doctor
S157C	12" Stop	S181	8" President
S157D	12" Thru	S182	8" Reserved
S157E	12" Drive	S183	8" Vice
S158	12" Reserved	S184	8" Visitor
S158A	12" Customer	S185	8" Compact
S159	12" Visitor	S186	8" Cars
S159A	12" Do	S187	8" No Parking
S159B	12" Not	S187A	8" Parking
S160	12" Enter	S188	8" Handicap
S161	12" Exit	S188A	9" Slow Speed (1 piece)
S162	12" Only	S188B	9" No Parking (1 piece)
S162A	4" No Skateboarding	S189	18" No
S162B	4" No Diving	S190	18" Parking
S162C	4" No Running	S191	18" Fire
S162D	4" No Rollerblading	S192	18" Zone
S163	4" No Parking	S193	18" Lane
S163A	4" Customer	S194	18" Only
S163B	4" Only	S195	18" One
S163C	4" Parking	S196	18" Way
S163D	4" Compact	S196A	18" Do
S163E	4" Resident	S196B	18" Not
S163F	4" Guest	S197	18" Drive
S164	4" Reserved	S198	18" Thru
S165	4" Visitor	S198A	18" Exit
S166	4" Fire	S198B	18" Enter
S167	4" Lane	S198C	18" Stop
S167A	4" Loading	S198D	18" In
S167B	4" Wait for Walk Sign (1 piece)	S198E	18" Out
S168	4" Zone	S199	24" No
S168A	4" Min.	S200	24" Parking
S168B	4" Manager	S200A	24" Do
S168C	4" Handicap	S200B	24" Not
S169	8" Senior	S201	24" Fire
S170	8" Manager	S202	24" Lane
S170A	8" Customer	S203	24" Zone
S171	8" Loading	S204	24" Enter
S171A	8" Only	S205	24" Exit
S172	8" Stand	S206	24" Drive
S173	8" Asst.	S207	24" Thru
S174	8" Chief	S208	24" Loading

PAVEMENT MARKING

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
S209	24" One	S230	Crosswalk Bars
S210	24" Way	S231	Line Stencil
S210A	24" Stop	S232	California Loops
S210B	24" Only	S233	Wheel Stop Overspray Kit
S210C	24" Slow	S234	Recycle Symbol: specify 12", 16", 18", 24", 36", 48"
S210D	24" Ahead	S235	Recycle Kit, 2" letters (5 pieces)
S211	6" Loading	S236	Recycle Kit, 4" letters (5 pieces)
S212	6" Zone	S237	Recycle Kit, 6" letters (5 pieces)
S213	6" Lane	S238	Giant Economy Starte Kit <i>Includes:</i> 1 set 8" (0-9), 1 set 8" (A-Z), 1 each 9" Slow Speed/No Parking, 1 each Reserved ADA Symbol, 1 each 10" One Way, 1 each 19" In/Out, 1 each Arrowheads, 1 each Curve & Straight Tails
S214	6" Fire	S239	Wheel Stop Stencils 2 3/4" letters (specify legend)
S214A	6" Golf Cart	S239A	No Parking Symbol
S214B	Roller Blading, Inline Skating Symbol	S239B	No Skate Boards
S215	Pool Kit - includes seven (7) one-piece legends, 4" number set, and four (4) 9" symbols	S240	Fuel Identification Stencils (specify legend) (1/16" Poly)
S215A	Stork Symbol (1/16" Poly)	S241	Parks & Recreation Stencils (specify legend) (1/16" Poly)
S215B	Baby Carriage Symbol (1/16" Poly)	S242	21 piece Stencil Kit (1/16" Poly)
S215C	Yield Lines: specify 12"x18", 16"x24", or 24"x36"	S243	Economy Kit <i>Includes:</i> 1 set 9" (0-9), 1 set 9" (A-Z), 1 each 9" Slow Speed/No Parking, 1 each 10" One Way, 1 each 19" letters In/Out, 1 each Arrowhead w/20" arrow stems, 1 each 31"x19" Disabled Access Symbol
S216	Buckle Up! - includes symbol 96"x28" and legend 96"x10"	S244	Emergency Exit & Enter with Arrows (specify legend)
S217	48" No (1 piece)	S245	Trash Receptical Symbol
S217A	48" Lane (1 piece)	S246	No Roller Blading Symbol
S217B	48" Ahead (2 piece)	S247	Shared Bicycle Lane
S218	48" Slow (1 piece)	S248	Biking Awareness Symbol
S219	48" Yield (1 piece)		
S220	48" Stop (1 piece)		
S221	48" Exit (1 piece)		
S222	48" Drive (1 piece)		
S223	48" Do (1 piece)		
S224	48" Thru (1 piece)		
S225	48" Not (1 piece)		
S226	48" Only (1 piece)		
S227A	48" Enter (1 piece)		
S227B	ADA Symbol w/No Parking		
S228	ADA Symbol w/Van Accessible		
S229	ADA Symbol w/Handicap Parking		



Striping Paint

Aervoe

Solvent-Based (20-oz), 12 cans/case



<u>Product</u>	<u>Part #</u>
Traffic White	710
Traffic Yellow	720
Traffic Red	730
Traffic Orange	740
Traffic Blue	750
Traffic Green	760
Traffic Black	770

Krylon

Solvent-Based (20-oz), 12 cans/case



<u>Product</u>	<u>Part #</u>
Highway White	K08300
Highway Yellow	K08301
Handicap Blue	K09302
Firelane Red	K08303
Cover-Up Black	K08304

Water-based formulations available upon request

Manhole Protection Rings

PreMark® Manhole Protection Rings

- Heavy-duty, durable intersection-grade preformed thermoplastic pavement marking material
- Simple application method: prepare, position and heat
- Supplied at 125-mil thickness for cost-effective service life
- Precut with clean, neat appearance
- Quick and simple mobilization; no heavy equipment to set-up, transport and clean
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Preheating the pavement to a specific temperature is not required
- Indents in surface provide a visual cue for proper application of heat
- Made at ISO 9001:2000 certified facility
- Environmentally-friendly with no lead chromate, heavy metal compounds or VOCs during application or removal



PAVEMENT MARKING

PreMark® Pavement Markings



- Heavy-duty, durable intersection grade pavement marking material
- Complies with MUTCD; used primarily for regulatory markings on public streets and highways and private properties
- Supplied at 125 mil for cost-effective service life
- **Lasts 6 to 8 times longer than paint**
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Preheating pavement to specific temperature is not required
- Retroreflective; glass beads mixed throughout material so that as marking wears new beads exposed
- Precut; ready to use out of the carton
- Clean, crisp appearance
- Quick and simple mobilization; no heavy equipment to set-up and clean
- Made at ISO 9001:2008 certified facility
- No lead chromate or VOCs
- Simple 3-step application process with Flint 2000EX Heat Torch

The top surface of the material has regularly spaced heating indicators which provide a visual cue during application that the material has reached a molten state indicating satisfactory adhesion and proper bead embedment has been achieved. The heating indicators also provide a post-application visual cue that the installation procedures have been followed.



ViziGrip®

Specially made for crosswalks, bike paths, handicap markings and other pedestrian uses, ViziGrip® is a unique feature designed to ensure that skid resistance and retroreflectivity are optimized especially where loss of traction in wet conditions is of great concern.

ViziGrip® can be added to any of the PreMark® lines, legends, arrows, and other designs in 90-mil and 125-mil thicknesses.

Surface-Applied Detectable Warning Material



- Applies on concrete (including green) and asphalt; new and existing surfaces
- Supplied in convenient kit to complete 32 sq. ft. of application
- Complies with current Public Rights-of-Way Accessibility Guidelines (PROWAG) and ADA/ABA-Accessibility Guidelines (formerly ADAAG)
- New convenient 2'x4' sheet; also in 2'x3', 1'x2', 1'x3', plus a wedge piece
- Conforms to contours
- Easy to cut with heavy-duty scissors for special angles and curves
- No fasteners, anchors or power tools required
- Quick and simple mobilization
- Slip resistant; abrasive component throughout material
- Long-lasting color pigments are organic and contain no heavy metals
- The truncated domes are integral parts of the material - not add-ons
- Made at ISO 9001:2008 certified facility
- Simple 4-step application process with Flint 2000EX® Heat Torch



Custom Logos and Horizontal Surface Signage



- Durable intersection-grade preformed thermoplastic pavement marking material
- Enhance transportation/pedestrian guidance; increase brand awareness; reduce sign clutter; promote community pride and school spirit
- Precut; ready to use out of the carton
- Interconnected shapes and colors; easy to handle
- 17 standard colors; premium/custom colors with minimum purchase requirement
- **Lasts 6 to 8 times longer than paint**
- ViziGrip® provides enhanced visibility and skid/slip resistance
- Material flush to surface; no tripping hazard from imprinted grooves; wheelchair and shopping cart-friendly
- Glean, crisp appearance
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Heating indicators in surface of material provide visual cue for proper application
- Made at ISO 9001:2008 certified facility
- No lead chromate or VOCs
- Application on asphalt and concrete
- Simple application process with propane heat torch or large heater



Decorative Crosswalks and Traffic Calming Surfaces



- Durable intersection-grade preformed thermoplastic pavement marking material
- Improve traffic safety; enhance visibility; promote and/or revitalize community pride
- For streetscapes, crosswalks, roundabouts, medians, islands, hardscapes, and more
- 2' x 3' interconnected sheets in 90-mil and 125-mil thicknesses; easy to handle
- 9 standard colors; 7 premium colors; 6 standard patterns
- **Lasts 6 to 8 times longer than paint**
- Anti-skid materials intermixed throughout material for maximized skid resistance
- Material flush to surface; no tripping hazard from imprinted grooves; wheelchair and shopping cart-friendly
- Clean, crisp appearance
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Heating indicators in surface of material provide visual cue for proper application
- Made at ISO 9001:2008 certified facility
- No lead chromate or VOCs
- Application on asphalt and concrete
- Simple application process with propane heat torch or large heater
- Eliminates maintenance and safety concern of loose pavers
- Single-colored sheets for application over pattern-imprinted or stamped asphalt



Enhanced
Skid
Resistance

PAVEMENT MARKING

Inverted Marking Paint

Krylon

Krylon® Industrial, the leader in innovative solutions offers you Quik-Mark™ Solvent-Based and Water-Based Inverted Marking Paints and Chalks. With our advanced UV resistant formulas you can mark your lines during harsh or adverse conditions. Even in extreme sun Quik-Mark™ advanced UV resistant formulas will not fade to a different color!



Aervoe

A complete line of paints, speciality coatings, applicators, and measuring devices that are made specifically to meet a variety of marking requirements.

Aervoe Marking Wands

Marking Wands

- Constructed of durable, rugged plastic and lightweight steel
- Comfortable pistol grip for easy handling and marking

Description

- K7095 Spotter Hand-Held Wand (12" Length)
K7096 Wheeler Hand-Held Wand (34" Length)
K7098 Can Holster



245 Marking Stick



244 Spot Marker



284 Linear Measuring Display Box

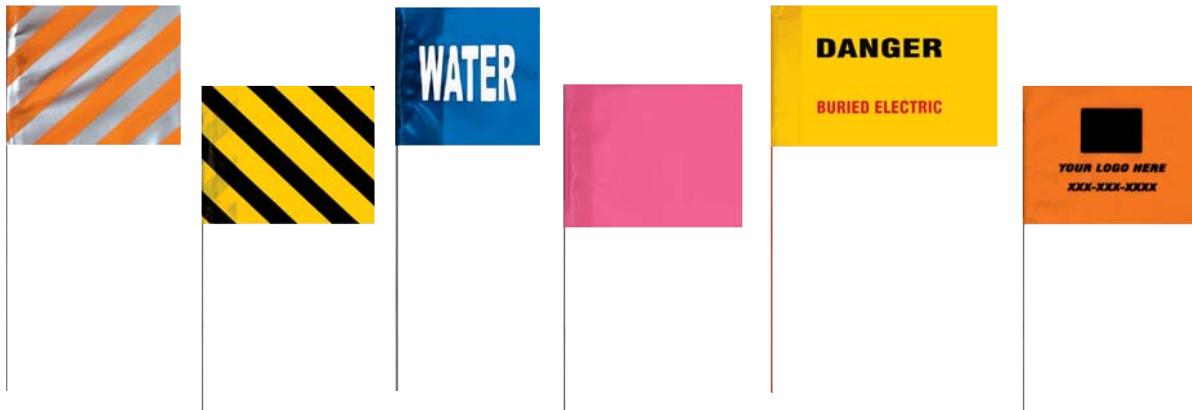
Survey Marker Flags

Available in Red, White, Yellow, Orange, Blue & Green

- S1209** Survey Marker Flag with Wire Staff: 24" tall with a 4" x 5" flag
1,000 markers to a box. Many other sizes, lengths and colors available.
- S1209A** Survey Marker Flag with Plastic Staff: 24" tall with a 4" x 5" flag
1,000 to a box.



Caution Barricade Tape



- S6050** Safety Flare (spike type) lasts 30 minutes, measures 11" 36/Case

Roll Flagging

- SPXC** Ink Color Roll Flagging 12 rolls per box

Patterns Available: stripes, polka dots, and checkerboards. Size 1/3/16" wide

Ink Colors Available:

white / black	black / blue	black / yellow	yellow
white / blue	black / blue glo	yellow red	black
white / green	black / green	green	orange
white / orange	black / orange	red	white
white / pink glo	black / orange glo	blue	
white / red	black / pink glo		
white / yellow	black / red		



Checkerboard Roll Flagging (left to right): White with Yellow, White with Red, White with Black, Pink Glo with White, and Pink Glo with Black

Polka Dot Roll Flagging (left to right): White with Blue, White with Red, Yellow with Black, Pink Glo with Black, and Orange Glo with Black

Stripe Roll Flagging (left to right): White with Green, White with Red, Red with Black, Yellow with Black, and Green with Black

Ultima Data - Logging - Analysis



What?



When?

Ultima, a unique Tablet Computer controlled development from the well established vehicle based Scarecrow Premier 1500 bird dispersal system. Operation is simplified by user selectable languages of English, French, German, Italian and Spanish; others can be specified to special order.

The 21 cm (8.4") touch screen can display a database of bird recognition information, including full screen illustrations to aid identification. Ultima self-learns the routine of each Operator, also remembering, for example, prominent species present airside and the various sound levels previously used at GPS dependant airside locations. Ultima establishes proof of dispersal procedures completed in real time, logging Operator, species, time and date; its inbuilt GPS function logs the vehicles airside position from which dispersal took place.

Ultima is a complete system, including roof mountable loudspeakers, Tablet mounting brackets, microphone for live announcements, back-up control unit and hot-pluggable USB flash drives to enable data captured to be transferred from the vehicle to the airfield analysis system for which audit software is provided.

The flash drive can also act as an identity key for each Operator, offering proof of their use and an audit trail of all processes to prove due diligence and to provide long term analysis of bird behavioral patterns.



Where?



How?



Proof?



Further benefits

In addition to the feature detailed previously, the software driven basis of Ultima means that subsequent improvements and enhancements to the software can be delivered to existing system users via USB flash drive upgrade. For example, this could include enhanced bird species recognition pages and developments in functionality. Ultima has a graphical data interface, so can be understood easily across the world. However, the software is also multilingual, so the required language can be selected. The Ultima system also features a hard-wired remote control for use in the event of a tablet PC failure.

Premier 1500



The broadcast of distress calls, as part of an integrated bird management scheme, has proved effective for bird dispersal from airfields and surrounding areas. It is an essential part of flight safety and must be carried out efficiently to minimize bird strike risk to aircraft, their passengers and crew.

Scarecrow are acknowledged leaders in their field, producing digital audio storage systems of the highest technical standard. Scarecrow products are approved and used by major civil airports and in military aviation throughout the world, representing state of the art technology to fully meet the challenging task of bird strike avoidance.

Scarecrow bio-acoustic bird dispersal systems are humane and inoffensive in their function, exploiting natural bird behavior for their success. New technology, designed to further improve the well established efficiency of Scarecrow Premier Products, forms the basis of this product. 12v vehicle operation (24v operation available), requires the addition of two loud speakers.



A durable preformed thermoplastic pavement marking material that is specially formulated for airfield applications.

****Sherwin Industries, Inc. is a Certified AirMark Applicator****

- Applied with large radiant heater and propane heat torch by Certified Applicators for quality assurance and maximum safety
- Durable preformed thermoplastic pavement markings
- Other colors include, but not limited to: blue, black, red, pink
- Applies to bituminous and/or portland cement concrete (including Green concrete)
- FAA-compliant marking designs and colors
- Supplied at 65 mil for cost-effective service life
- Interconnected colors and shapes of material saves significant time when positioning marking for application
- Resistant to aviation fuels, motor fuels, lubricants, de-icers, etc.
- Retroreflective glass beads mixed throughout material so as the marking wears new beads are exposed for retained retroreflectivity
- Clean, crisp appearance
- Preheating pavement to specific temperature is not required with road and ambient temperatures down to 35° F
- Indents in top surface of material provide a visual cue during application for proper heat and bead embedment
- Re-opened to traffic 15 minutes after application
- Made at ISO 9001:2000 certified facility
- No lead chromate or VOCs
- Removes easily with waterblasting



Lighted Runway Closure Marker

S1701



Features

- Trailer mounted
- 110 Volt Diesel Generator Powered
- Sets up in two minutes or less
- Day and Night Operation
- Tandem towed at highway speeds
- Visibility - 3.5 miles daytime VFR
Minimum 6 miles nighttime VFR
- Specification/Certification sheets available upon request



S1703



OPTIONAL - S1703 (not included in Standard Specifications)

- Heavy-duty coated vinyl Lighted X covers
- Anti-mildew with UV pigments
- Color - yellow

Safety Barrier

Type: Low Profile Airport Barrier

Standard Colors: Safety Orange or Safety White

Composition: UV-Resistant Polyethylene

Size: Height: 10" / 256 mm

Length: 96" / 2438 mm

Width: 10" / 256 mm

Wall: .25" / 6.35 mm (Avg.)

Mass: 28 lb. (empty) / 253 lbs. (filled with 27 gal. water) 387 lbs. (filled with sand)

Part Number	Color
1008SO-25	Safety Orange
1008SW-25	Safety White



Barrier Lights



S601



Features

- Utilizes 4 LEDs to project a 360 degree flashing light pattern
- Lasts 76 hours after fully charged
- Internal solar panels allow light to exit through top of dome giving more visibility to pilots
- Standard 2" water pipe thread allows for easy installation
- Poly carbonate dome and base
- Manual external on/off switch



S360BX

Features

- Flash and steady operation
- Colors: Amber, Yellow, Red, Blue and White
- Lasts 120 hours in flash mode
- Last 72 hours in steady mode
- Photoelectric controlled
- Flash rate 60+/- times/minute

Features

- Flash and steady operation
- Colors: Amber, Yellow, Red, Blue and White
- Lasts 120 hours in flash mode
- Last 72 hours in steady mode
- Photoelectric controlled
- Flash rate 60+/- times/minute

AIRFIELD SOLUTIONS

MODEL 630



Features

- Utilizes 4 LED bulbs to project an omnidirectional light pattern.
- Available in steady burn or flashing configurations.
- Two spring type 6 volt batteries will power a flashing light for up to 9 months.
- Manual on/off switch recessed inside battery case.



20" x 20" Safety Flag with Diagonal, 30" Staff

Part Number	Color
SFP20-30	Orange
SFP20-30W	White

Airport Safety Construction

Flag (Follow Me)

Heavy duty nylon flag.
Orange and white checker.

Item #
APF - S6040
Description
36" x 36"



Airport Glass Beads Type III

(1.9 Index of Refraction (IOR)) airport beads has the best retro-reflectivity, initially and over time.

Item # SGBTY3:
Airport Beads Type 3 - TTB-1325C
(50lb bags)



60" Wooden Mast for Flags

Item #
S6041

Airport Taxi-way & Runway Light Markers

Item #
S1503
Description
TLMF 28 3/4"



Lighted Safety Batons

- Waterproof 3-way switch: Bold, Flashing and Off
- Visible up to one mile
- Lights up to 400 Hours on Two AA Batteries (not included)
- Magnetic base
- Safe, Shock resistant - Only 3 volts

Item #
SBB5RM - Red
SBB5GM - Green (special order)



Windsock Hardware

Frames are constructed of heavy duty wire with sleeve and set collars. Zinc coated for weather protection. Rotate freely with no maintenance required.

Item #	Description
WS10HW	10" Windsock Hardware
WS18HW	18" Windsock Hardware



Replacement Airport Windsocks

Our highly visible and durable windsocks are made of Fluorescent vinyl coated fabric. **Hardware available for WS10 and WS18.**

Item #	Throat	Apex	Length
WS10	10"	4"	24"
WS18	18"	8"	96"
WS36	36"	12"	146"



Bowmonk AFM2

SBOW009



FAA Approved for Winter Runway Friction Testing Standard Features

- 32 character high contrast alpha-numeric liquid crystal display with back lighting for night-time visibility.
- Tactile switches, with beep, for selection purposes
- Automatic cancellation of faulty friction tests
- Manual cancellation of any test if required
- Provides for temporary suspension of friction testing with no loss of recorded data
- Stores up to 99 friction readings
- Provides each third of runway and operator identification
- Permits field programmable airport name runway and operators through keypad or bar codes
- No mounting kit required
- 128k byte CMOS memory with battery backup
- No connection to vehicle required
- Built in 6 volt rechargeable battery (external voltage for battery recharge 9v to 18v DC) powers unit for at least 12 hours. Can be recharged from main power pack or car cigarette lighter outlet
- Built in temperature compensated accelerometer records runway friction coefficient in compacted snow and ice conditions as %g

The FOD*BOSS

SFB2400-0



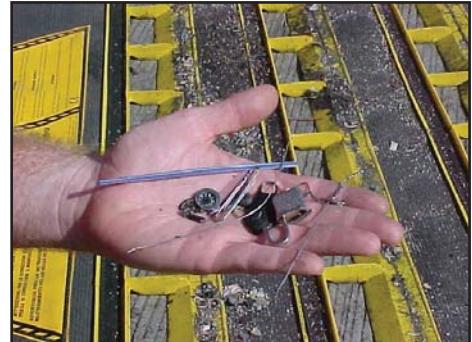
Environmentally Clean and Silent

From the largest Int'l airport to the smallest local strip, the FOD*BOSS revolutionizes FOD control. Single, duplex and triples units available.

Battery electrical powered vehicles can tow the FOD*BOSS with ease making it the only FOD sweeper with this desirable capability.

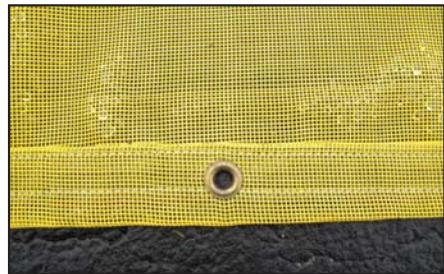
The FOD*BOSS is low impact on aircraft movement surfaces reducing pavement damage often caused by heavy sweeping machinery.

Its quiet operation makes it convenient to use around the clock in noise sensitive areas.





Vinyl X-It



Features

- 1) Lightweight - 50 lbs. per piece
- 2) Porous
- 3) Vinyl coated polyester fabric
- 4) Inexpensive
- 5) Weighted ends
- 6) Swivel in middle
- 7) Custom sizes available

Benefits

- 1) Easy to install, move, pickup and store
- 2) Aesthetically pleasing yellow & orange
- 3) Lets rain & wind through
- 4) Tough & durable - won't stretch, shrink or fade
- 5) Non-budget item
- 6) Pieces can be rolled together for ease of storage
- 7) Any situation or size can be accommodated

Standard Size 60' x 10' (2 pieces to make a full X-it).

Standard Size 30' x 5' (2 pieces)

Water Filled Lay Down Vinyl X

APPLICATION

Rural Electric's closure-X is made of durable vinyl coated fabric and provides airports with a reliable and economical method for closing runways and taxiways to aircraft use. The solid yellow color provides superior visibility for a clear indication of closures.

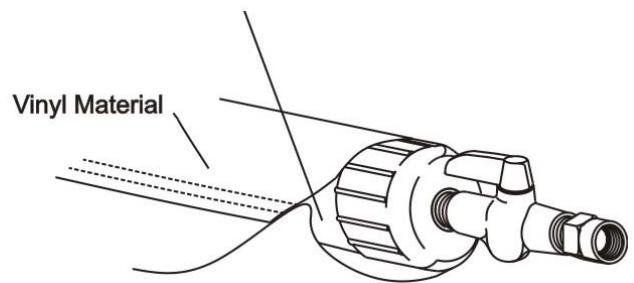
FEATURES

- Convenient anchoring is accomplished by filling a 3 inch "Fire Hose" bladder that runs the entire perimeter of the vinyl sheet
- Water bladder is resistant to wind and is more "forgiving" than sandbags or stake in the event of an aircraft strike
- Material is mildew and U.V. resistant as well as double seamed for durability
- Easy removal is allowed by opening a drain at the low point of the bladder. Approximately 50 gallons of water is required per one half of the Runway Closure-X60 and approximately 25 gallons for one half of the Taxiway Closure-X30

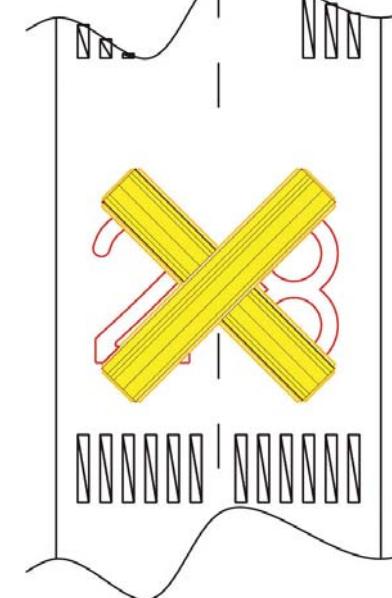
INSTALLATION

- Each leg of the "X" is unrolled and located over the runway numbers or other chosen location
- Water is pumped or gravity flowed in the hose fitting in the 3" diameter bladder. A vent is opened on the other end of the bladder and a short extension hose is attached and elevated to ensure complete filling of the bladder

3" flexible Fire Hose
filled with water weighs
approximately 420 pounds per leg



APPLICATION



The Runway Closure-X60
is two 10' x 60' Pieces of
Bright Yellow Vinyl

The Taxiway Closure-X30
is two 5' x 30' Pieces of Bright
Yellow Vinyl

Portable Lighted Taxiway Barricade System

STBS



- Closing a taxiway has never been easier
- 55 Hour Run time on single fuel load
- 2700 watt diesel powered generator
- 150 ft. Flexible L.E.D. lighted rope
- Nine—52" Reflective Stanchions
- Nine—Regulatory Signs
- Custom 5' x 8' Trailer w/ Obstruction Light
- One person operation
- Protective Fitted Cover



Urethane and Rubber Cutting Edges

Urethane Advantages:

- It reduces damage to in-ground lighting.
- It reduces impact on plows, blowers, and vehicles when solid edges, objects or surface changes are impacted.
- It greatly reduces driver fatigue.
- It reduces vibration.
- It will outlast rubber by approximately 8:1 in applications requiring low impact cutting edges.
- Urethane cutting edges are multi-adjustable for extended use.
- Blades are custom cast to customer requirements for thickness, length, width, edge angle, and mounting bolt patterns.
- Water and slush are squeegeed out of shallow depressions preventing ice spots from forming.



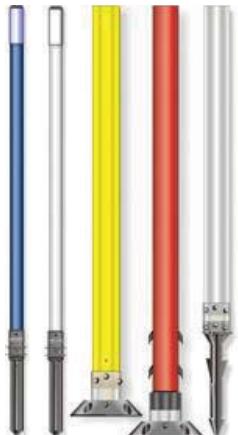
Rubber Advantages:

- Flexible
- Wear-resistant
- Press cured, not extruded
- No gouging
- Safe High-speed runs



FlexStake

FlexStake makes five markers that are particularly well suited for airport use. Because of their ability to withstand multiple traffic hits at up to 80 mph, the FlexStake HD, SM, and TM are used on runways and taxi strips. At speeds up to 80 mph, these posts can be run over by a plane without damage to landing gear or post.



PERSONAL SAFETY

ANSI Class 3 Outerwear



AJX755SC2b
Thinline Jacket
S-5XL, Available in Tall Sizes



AJY646SC3b
Tow Jacket
S-5XL, Available in Tall Sizes



AJX759HC3b
"Human Form" Jacket
S-5XL, Available in Tall Sizes



APX757HC3b
"X-TRA" Visibility Parka
S-5XL, Available in Tall Sizes



WB100-Lime
WB101-Orange
Windbreaker
M-5XL



J26002
Bomber Jacket
S-5XL



J25022
Phase3 Jacket
S-5XL



J24122
Premium Outerwear
S-5XL

Other options available upon request

ANSI Class 3 Outerwear



LUX-ETJBJ
Value Bomber Jacket
M to 5XL



LUX-TJBJ-B
Two Tone Bomber
M to 6XL



LUX-TJBJ
Original Bomber M to 6XL



Zip out the
fleece jacket
leaving a two
layer lightweight
coat.



Zip off the outer
jacket sleeves and
remove the fleece
lining leaving a
Class 2 vest.



Inner fleece jacket
can be worn alone
on cool days
when working
away from traffic.

Rain Gear



LUX-TJR
Rain Jacket
S to 5XL

ANSI
CLASS 3



LUX-TENR
Rain Pants
S to 5XL

ANSI
CLASS E

Other options available upon request

ANSI Class 3 Sweatshirts



S78122-Lime
S78129-Orange
Sweatshirt
M-5XL



S78022-Lime
S78029-Orange
Sweatshirt
M-5XL

ANSI Class 3 Vests



AMY706HC3-Lime
AMO706HC3-Orange
S to 5XL



9134-Lime
9135-Orange
M to 5XL

ANSI Class 2 Sweatshirts



LUX-SWTLH
Light-weight Hooded Sweatshirt
M to 5XL



LUX-SWTL
Light-weight Crew
M to 5XL

Other options available upon request



Sherwin Industries, Inc.
MILWAUKEE, WISCONSIN
ESTABLISHED 1938

Phone: 800-525-8876 • Fax: 414-281-6404

ANSI Class 2 Vests



AMY721SC2-Lime
AMO721SC2-Orange
S to 5XL



1509
S/M to 4XL/5XL



1510-Lime
1511-Orange
M to 5XL



1513

ANSI Class 2 T-shirts



TSO207-Orange
TSY207-Lime
S to 5XL



TLY209-Lime
TLO209-Orange
S to 5XL



9114-Lime
9115-Orange
M to 5XL



ASO112SC2-Orange
ASY112SC2-Lime
S to 5XL

Other options available upon request

Protection Headwear and Footwear

Various hoods, caps available



PHY114-Lime
PHO114-Orange



KCY103-Lime
KCO103-Orange



2826-Lime
2827-Orange



1300
Rubber Overshoes
S-3XL

MB943C
17" Leggin



31144
Plain Toe
31244
Steel Toe
General Purpose
Knee Boot



Forestry

Woodsman™ Forestry Systems

The perfect solution for a variety of protection needs:
Chainsaw/machinery operation, sandblasting, woodworking,
home repairs

- Three systems to choose from with NRR's ranging from 22-24
- Gladiator® six-point Ratchet hard hat with Reflex™ suspension system
- Extra low padded nape strap for ultra-secure fit
- Full feature clip on earmuffs with stand off and storage positions plus tension adjust. All cap-mount earmuffs come with Soft-Seal™ cushions
- T-5000 Super-Tough visor carrier can be raised and lowered to three detent positions, seals off at hardhat brim for falling particle protection.

- Molded steel mesh face screen designed for superior impact and temperature resistance. Epoxy coated for glare and corrosion resistance
- All components meet or exceed ANSI requirements
- Fully dielectric fiberglass mesh screen available
- Woodsman models 6000, NRR=22 (T-2000 earmuffs)
- Models 6001 and 6030, NRR=24 (Blackhawk, Sound Star earmuffs)



Head Protection

Gladiator® Hard Hat

The Gladiator® Hard hat features the most rigid UV resistant shell available and a patented six-point ratchet suspension. The Gladiator's unique Re-Flex™ suspension technology effectively distributes and absorbs impact force. The suspension system also features our Cool Guard™ self-wicking brow pad, unique ratchet pad and extra-low nape strap for an ultimately secure and comfortable fit. Standard slots are available to accept most accessories. The Gladiator® is offered in blue, green, orange, yellow, red, white, black, lime green and fits head sizes 6 to 9.



Meets ANSI Z89.1-1997 Type I Class E

Phase I



Unique, patented multi-phase suspension uses eight elastomer inserts to absorb and disperse the initial impact.

Phase II



Extra-wide webbing continues to disperse impact.

Phase III



Manufactured from racing helmet material, the Gladiator's shell provides greater deflection than standard polyethylene shells.

Secure Fit



The lowest available true nape strap and padded locking ratchet ensures a secure fit and keeps the Gladiator where it belongs on your head.

Miscellaneous



Spirit-leg Waist Apron



Bib Apron



Cape Sleeve with Bib Sets

These items are ideal for use with a hot air lance or for use with crack sealing operations. Great protection from burns!
CALL FOR PRICING.



Leggings



Cloth Work Gloves



Leather Work Gloves

PERSONAL SAFETY

Personnel Safety Water-Jel Burn Products



<u>PART #</u>	<u>DESCRIPTION</u>	<u>Size</u>
S6012	Burn Wrap Blanket in a canister #3630	3" x 2.5"
S6012A	Burn Wrap Blanket in a pouch	3" x 2.5"
S6012B	Industrial/Welder's Burn Kit IWK5	
S6012C	Burn Kit (Food Service)	
S6012D	Utility Kit UK5	
S6013A	Fire Blanket-Plus in a canister #7260	6' x 5'
S6013B	Fire Blanket-Plus in a pouch	6' x 5'
S6014	Heat Shield Blanket in a canister #9672	
S6020	W-J Burn Jel Squeeze Bottle	4 oz.

Heavy Duty Mounting Brackets for Above Canisters

<u>PART #</u>	<u>DESCRIPTION</u>
S6015	Mounting Bracket for Canister #9672 Heavy Duty
S6015A	Mounting Bracket for Canister #7260 Heavy Duty
S6015B	Mounting Bracket for Canister #3630 Heavy Duty



Water-Jel Sterile Burn Dressing - First Aid for Burns

<u>PART #</u>	<u>DESCRIPTION</u>	<u>Size</u>
S6011A	Burn Dressing	2" x 6"
S6011	Burn Dressing	4" x 4"
S6011B	Burn Dressing	4" x 16"
S6011C	Burn Dressing	8" x 18"
S6011D	Burn Dressing for Facial Burns	12" x 16"

Cool Jel

<u>PART #</u>	<u>DESCRIPTION</u>
S6017	Cool Jel 4 oz. squeeze bottle for minor cuts, scrapes, and burns
S6017A	Cool Jel Unit Dose (3.5 gms ea.) 6 packs/box in a unitized box

These products are used to protect your skin from the skin irritation that coal tar sealer can cause. It is recommended for our customers to use them before skin irritation starts and to use after work for continued protection.

S1112	Medicated Cream	5 oz. Tube
S1113	Hand Cleaner	5 oz. Tube
S1113A	Hand Cleaner	1 gallon



Sherwin Industries, Inc.
MILWAUKEE, WISCONSIN
ESTABLISHED 1938

Phone: 800-525-8876 • Fax: 414-281-6404

RAC Plus I



The RAC Plus I brings the accuracy, reliability and productivity of using a vehicle installed distance measuring instrument within the reach of everyone. All distance and speed information can be read directly from the RAC Plus I's display - no software is required to view your data. This unit is a replacement for our older model RAC-100 DMI.

RAC Plus III



The RAC Plus III takes all the benefits of the RAC Plus I and adds the ability to record and store events to the unit's expansive memory. This unit also comes with GPS recording capability creating an unparalleled combination of accuracy & convenience. This cost-effective unit saves time & money by allowing personnel to measure distance, accurate to 1 foot per mile, while recording GPS coordinates or roadway features - making it the most powerful DMI on the market.

ROADWATCH Pavement Temperature Sensor



Part Number	Description	Components included
849-0262-002	Celsius system kit for standard mount, with 12' extension cable	849-0094-000 sensor 849-0093-000 display 434-0100-000 extension cable 12' 849-0067-000 basic mounting kit 014-0001-000 support clamp instructions
849-0262-003	Fahrenheit system kit for standard with 12' extension cable	849-0094-001 sensor 849-0093-000 display 434-0100-000 extension cable 12' 849-0067-000 basic mounting kit 014-0001-000 support clamp instructions



The Bowmonk BrakeCheck Portable Brake Tester

The Bowmonk BrakeCheck is a fully self-contained, portable, battery-powered device that can be used by workshops, government traffic authorities, testing and inspection stations etc. to test and report on vehicle brake efficiency.



- Peak & Average Deceleration
- Indicates Left / Right Pull
- Service & Hand Brake Test
- Battery Powered
- MOT Approved
- Automatic Level
- Portable - Lightweight
- Option to Print via 3 different methods

SAMPLE OF PRINT OUT

BrakeCheck

Serial No: BRK00176

S/W Version: 1.0.05

Test Performed:
12:17:45 03/06/2003

Service Brake Test

Front-Back Deceleration
Peak: 90%g
Average: 65%g

Left-Right Acceleration
Peak: 5%g
Vehicle Pulls: Right

Test Speed: 35 km/h

Stopping Dist: 7.5m

Brake Efficiency: 64%

Calibration Ok
Due: 06/06/2005

.....
Vehicle Registration

.....
Inspector Nae

.....
Signature

Part Number

Description

SBOWC

Bowmonk BrakeCheck System with standard accessories:

Includes:

- BrakeCheck with battery charger
- Carrying Case
- Infrared printer
- Case of Replacement Paper 10 rolls per case

SBOW801

BrakeCheck with battery charger

SBOW813

BrakeCheck carrying case

SBOW808

Infrared Printer

SBOW026

Case of Replacement paper 10 rolls per case



Optional Accessories

SBOW804

PC Download Cable

SBOW123

Cab Check PC Program

Bowmonk SensorCheck

The ABS/EBS Sensor & Exciter Ring Diagnostic Tool

Lightweight and portable, the SensorCheck comes supplied with two 1.6m high quality cables, short introductory printed manual, and a single 9V battery - everything, in fact, needed to use it straight out of the box.

Test for the six most common causes of EBS/ABS faults on trucks, trailers and buses in just 15 seconds:

- Correct Ohms resistance
- Open circuit
- Short circuit
- Pole ring tooth damage
- Pole ring misalignment
- Sensor gap measurement

Item #SBOW830



Bowmonk 2000



Bowmonk Electronic Brake Meters are the most up to date and versatile instruments available for brake and skid testing, road traffic accident investigation and reconstruction and vehicle safety inspections. The units are MOT approved. The units are portable, easy to use and produce a hard copy evidence of the test results on a built-in printer. All results are time date stamped and additionally the vehicle and examiner identification can be included. For brake testing applications, the units will also calculate from the deceleration, time and slope, the vehicle speed at braking and distance travelled. For heavy vehicle brake testing in mines and quarries, these units measure brake effort, which takes into account the vehicle speed and ground slope.

Item #SBOW2000

LCD Color Monitors

They are designed for the rugged conditions on the road and will last the lifetime of your vehicle. With our monitors drivers can change lanes, pull into traffic, and back up safely with more confidence and less risk of accidents. Companies and Municipalities can protect themselves and increase overall safety.

HC 703M

7" TFT LCD Color Monitor w/Audio



Features

- 7" Brand New Panel / Aspect Ratio 16:9
- 3 Screen Mode: Wide, Full and Normal
- 2 Video Inputs & Audio Inputs / 1 additional Video Input
- Resolution 1440(H) X 230(V) Pixels / Luminance 300cd / m²
- Monitor Function in Reverse Gear
- NTSC, PAL-BGDHI, PAL-N, Secom etc Multi System
- Up & Down / Left & Right Screen Flip Function
- Full OSD Function
- Full Functional IR Remote Control
- Screen Noise Deduction (Blue Back Screen)
- Power Source DC 13.5V

HC IR270
Color Mobile Camera



Features

- 1/3" Sony Super HAD CCD: 270K Pixels & 420TV Lines
- Heavy Duty Vibration & Shock Resistant
- Built In Audio
- Aluminum Die-casting Housing
- 130° Wide Viewing Angle
- Water-Proof Camera and Cable (IP66)
- Built-in 18 IR LEDs
- Power Supply DC 12-24V

MiniTemp®

Portable Infrared Thermometer

The MiniTemp MT6 thermometer - introducing automotive professionals to noncontact temperature measurement.

Noncontact Temperature Measurement



Specifications	
Measurement range	-30 to 500°C (-20 to 932°F)
Accuracy	±1°C (2°F) from 10°C to 30°C (50°F to 86°F), ±1.5% of reading or ± 1.5°C (3°F) whichever is greater over the balance of the range (assumes standard and stable measurement conditions)
Repeatability	±0.5% of reading or ≤ ±1°C (±2°F) whichever is greater
Emissivity*	preset 0.95
Response time	<500 mSec
Distance to spot size	10:1 calculated @ 80% energy
Spectral range	6.5-18 um thermopile detector
Display resolution	0.2°C (0.5°F)
Display hold (7 seconds)	
LCD backlit	
Temperature display	°C or °F selectable
Ambient operating range	0 to 50°C (32 to 120°F)
Relative humidity	10-90% RH noncondensing, @ up to 30°C (86°F)
Typical distance to target (spot)	Up to 2 m (6ft)
Laser class II	Laser Point Sighting
Weight/dimensions	7 oz (200g) 152 x 101 x 38 mm (6 x 4 x 1.5 in)
Power	9V Alkaline battery (included)
Battery life (alkaline)	12 hours
Storage temperature	-20 to 65°C (-4°F to 150°F) without battery
Options/accessories	Includes protective boot and storage pouch
Warranty	2 years** (conditional)

MUTCD Signs



Blinker signs

- Installs easily onto any new or existing sign post
- Solar Powered
- Any MUTCD sign can be made into a Blinkersign

Sherwin Industries, Inc. offers a wide variety of signs, reflective sheeting, posts, mounting, brackets and strapping accessories.

- Regulatory Signs
- Handicap Signs
- Blinker Signs
- School, Playground Signs
- Warning Signs
- Workzone Signs
- Guide, Destination Signs
- Street Signs
- Custom Signs



Let us be your source for high quality traffic signs, parking signs, road signs, street signs, posts, hardware and more.



Overlays

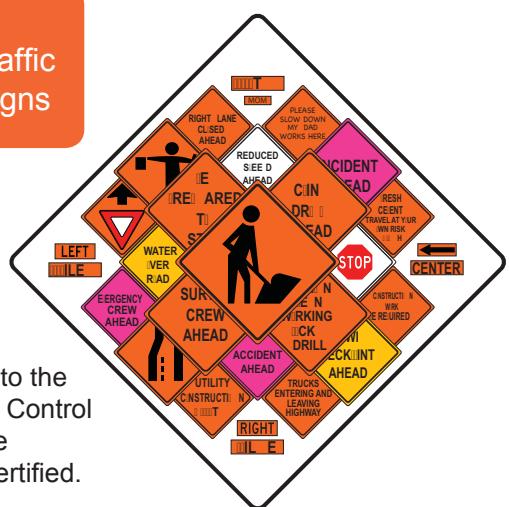
All overlay panels attach to sign faces with durable, weather resistant brass snap button fasteners. Velcro may be used upon request. Signs and overlays are designed so that overlays may be attached to the back of the sign for storage.



Standard and Custom Roll-Up

For daytime use we offer **Premium Mesh** and **Non-Reflective Vinyl** with superior fade resistant UV stabilizer. For daytime as well as nighttime usage, we offer **Standard Reflective** and **High Performance Reflective** materials.

• Available •
First Responders Traffic Deployment Pink Signs



All Roll-Up signs conform to the Manual on Uniform Traffic Control Devices (MUTCD) and are NCHRP-350 tested and certified.



Roll Up Sign Sheeting

Diamond Grade™ (DG)

3M™ Diamond Grade™ Roll-Up Sign Sheeting Series RS20/RS24 is a visible light-activated fluorescent wide angle prismatic lens reflective sheeting designed for the production of Roll-Up traffic control signs used in construction work zones. This sign sheeting is designed to provide higher nighttime sign brightness than sheetings that use glass bead lenses. RS24 sheeting has higher daytime brightness than ordinary (non-fluorescent) colored sheeting. Series RS20/RS24 sheeting is backed with a strong, flexible, gray-coated fabric.

<u>Color</u>	<u>Product Code</u>
White	RS20
Fluorescent	
Orange	RS24



High-Intensity

3M™ Roll-Up Hi-Intensity Sign Sheeting Series RS30 consists of retroreflective microprisms formed on a flexible glossy and UV-stabilized polymeric film, designed for the production of roll up traffic control signs used in work zones and emergency traffic control. This sign sheeting is designed to provide higher nighttime sign brightness. Series RS30 sheeting has a protective film on the facing side and is backed with a heavy duty vinyl coated fabric.

<u>Color</u>	<u>Product Code</u>
White	RS30
Fluorescent Pink	RS33
Fluorescent Orange	RS34

Non-Reflective Fluorescent Orange Roll-Up Signs

Non-Reflective Fluorescent Orange Roll-Up Signs are constructed of a fabric reinforced UV stable vinyl. This construction will not delaminate and provides excellent durability and fluorescence stability.

Non-Reflective Fluorescent Orange Roll-Up Signs are suitable for maintenance and moving operations. They are intended for daytime use only. They are not intended for use during night operations or low light conditions.

Marathon (M)

Reflexite's Roll-Up sign blanks which utilize Marathon Fluorescence take performance to a higher level. The longer lasting fluorescent color gives the sign a longer useful life and offers outstanding visibility, day and night. Higher levels of photometric performance ensure superior reflectivity at night and in low light conditions. Reflexite high Performance Marathon Fluorescence signs are available in the following colors: fluorescent orange, fluorescent yellow-green (lime), non-fluorescent white, and the new fluorescent yellow.

<u>Color</u>
Marathon Fluorescent Orange
Fluorescent Yellow-Green (lime)
White
Fluorescent Yellow

Roll Up Sign Sheeting

Super Bright (SB)

This is one of Reflexite's most popular products. Super Bright fluorescent prismatic sign blanks are used by our customers to create the work zone signs you see on the road. As a motorist, you benefit from maximum visibility at long distances, day and night. Reflexite's color stability technology ensures a long and useful life. Super Bright colors are: fluorescent orange, non-fluorescent white, yellow and the new fluorescent pink color recommended for Incident Management applications.

Color

Fluorescent Orange
White

Fluorescent Pink
Yellow

Premium Mesh

Bone Safety Signs' true fluorescent orange mesh is flexible, breathable, and mildew resistant. Great strength and durability, along with high color visibility, make this fabric ideal in safety applications.

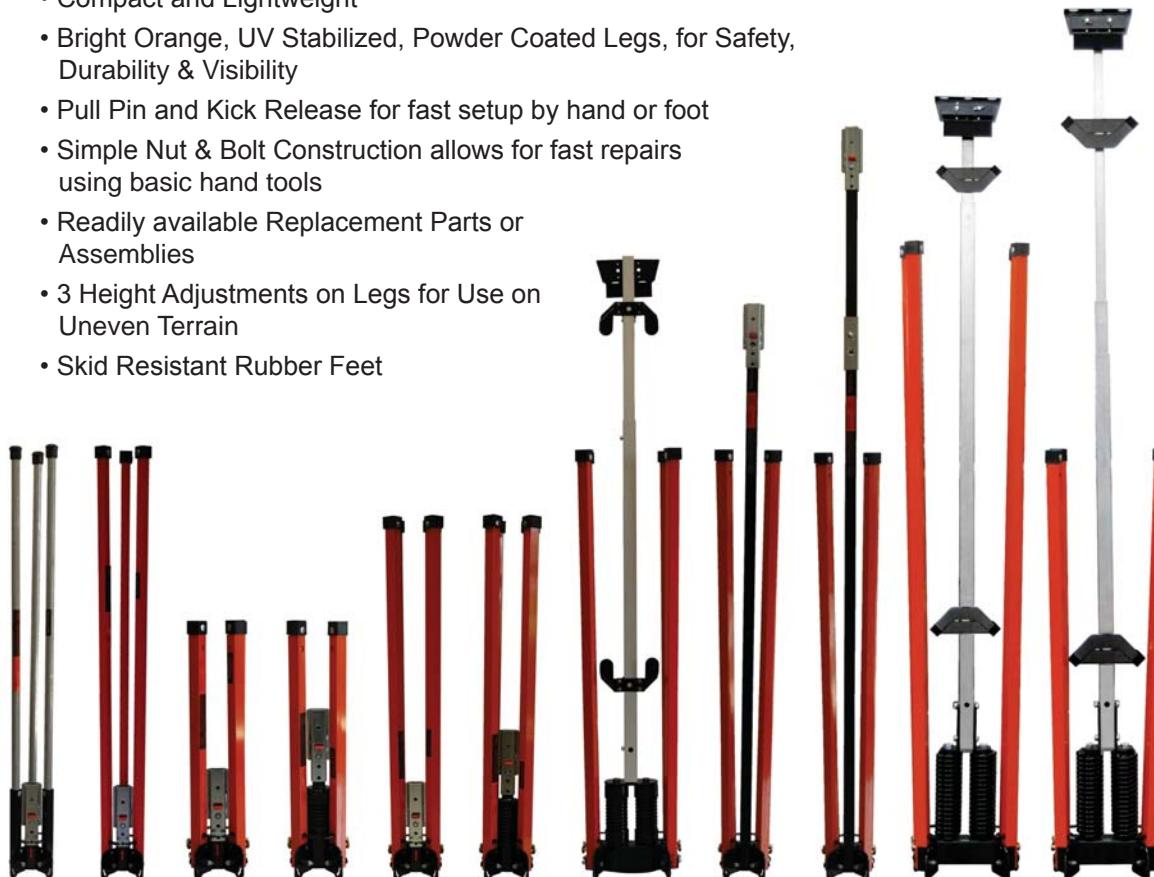
Color

White
Fluorescent Orange

Sign Stands

Sign Stands come with our patented Auto-Latch mechanism, unless our Universal Bracket is requested. The advantage of our Auto-Latch is the speed in which the sign is attached and released from our stands.

- Crash Design Breakaway Base
- Exclusive Quick Release System for all modular attachments and accessories
- Compact and Lightweight
- Bright Orange, UV Stabilized, Powder Coated Legs, for Safety, Durability & Visibility
- Pull Pin and Kick Release for fast setup by hand or foot
- Simple Nut & Bolt Construction allows for fast repairs using basic hand tools
- Readily available Replacement Parts or Assemblies
- 3 Height Adjustments on Legs for Use on Uneven Terrain
- Skid Resistant Rubber Feet



Green Cross Product Line

The Green Cross system is most effective on unsignalized low-speed two-lane streets. The mobility of the Green Cross system allows it to be taken in and out of the street during the school day, enhancing the effectiveness of the system.

- Durable yet extremely lightweight safety posts to highlight crosswalk areas
- Bases to secure safety posts in the roadway, portable and fixed
- Highly reflective flags, signs and stop paddles

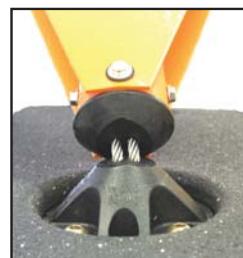


- Crosswalk safety signs, complete crosswalk safety kits
- Signs are manufactured w/ 3M Diamond Grade Fluorescent Yellow Green Sheeting with White Hi-Intensity Sheeting Insert
- Fully Tested and NCHR 350 Approved
- Designed to Take Impacts and re-orient Towards Traffic

Impact Recovery Signs

And why the IRS System is the best on the market!

The heart of the system is a unique reactive spring with the strength to support not only a flexible post, but an information panel as well. This reactive unit gives upon impact and is designed to reorient the panel towards traffic. The introduction of the new "Anti-Twist Feature" assures the sign will return to its' original position after impact.



"Anti-Twist Feature"



T1 & T2 Barricades

Traffic control devices help to insure roadway safety by providing direction for orderly and predictable movement of all traffic. They also help in the protection of construction crews and motorists on streets and highways.

NCHRP 350 - **Crashworthy** - FHWA Accepted
WZ-06, WZ-47, WZ-85, WZ-165, & WZ180



Combocade Barricade
Steel legs
Plastic boards



Plasticade Barricade
One piece construction
Ballast Internally



Econocade Barricade
One piece
Solid construction



Fibercade Barricade
Modular components

T3B™ Barricade



NCHRP 350
Crash worthy
FHWA Accepted
WZ39 & WZ63

SafetyRail™

With its common vertical plan, no part of SafetyRail protrudes into or interferes with the walkway.

With SafetyRail, users can create a multitude of angles, up to 90°, and still maintain a continuous guide rail.

SafetyRail is designed for use with the PSS Wave® barricade panel.

The Wave panel is manufactured with encapsulated ends, to prevent snagging of hands and walking aids.

The Wave panel, blow-molded with high density polyethylene (HDPE), with UV stabilizers, for increased durability, provides a smooth guide rail for use by hand.

The Wave is available in convenient sizes of 4', 6' and 8' lengths.

Retroreflective sheeting meets all state and federal specifications, and is available in Engineer, Hi-Intensity and Diamond grades.



SafetyRail™ Features

No hardware is required to assemble SafetyRail. Set-up and tear-down time is minimal.

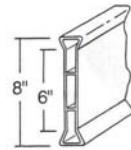
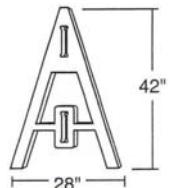
Choose between internal or external ballast: fill the SafetyRail with sand, using the extra-wide sand-fill hole, or use traditional sand bags.

SafetyRail measures 38" high and 24" wide, by 3.25" deep, and weighs 7 lbs. SafetyRail is lightweight, portable, and easy to transport or store.

SafetyRail is blow-molded with high density polyethylene (HDPE), with UV stabilizers, for increased durability.

A-Frame Barricades

A-Frame is made from a durable, yet lightweight plastic that will not rot, rust, crack or peel. The double slotted frame will hold either one or two panels. Panels are 2"x8" and available in 4, 6, 8, 10 or 12 foot lengths.



All A-frames are sheeted on both sides.

NS-No Sheet, EG-Engineer Grade, HI-High Intensity and DG-Diamond Grade reflective sheeting available.

O-Frame Barricades

Parade Style "A-Frame" Barricade

Innovative "O-Frame" Barricade Meets MUTCD & ADA Requirements

ADA-Compliant
Type II Barricades

Innovative O-Frame Leg

- Unique four board design
- Center slots have pinch points to lock in the boards
- Molded nubbins for stacking also stabilize barricade light
- Solid injection molded leg - stronger than blow molding
- Versatile - Accommodates plastic or wood panels
 - 1 x 8" plastic panels
 - 2 x 8" plastic panels
 - 2 x 8" nominal lumber
- Impact-resistant and UV-stable thermo-plastics for superior durability
- The only barricades with a 3-year pro-rated warranty!
- Engineered to conform to ADA, NCHRP 350 & MUTCD standards
- Panels have smooth surfaces to allow easy application of reflective tape
- Flexibility to use 1 x 8-inch or 2 x 8-inch barricade panels
- Panels available in 4, 6, 8, 10 and 12-foot standard lengths
- Rigid injection molded legs will not sag in the heat of the sun
- Barricade legs with molded-in holes for attachment of lights
- Barricade legs stack for easy transit & efficient storage
- Panels & legs available for purchase separately or together
- Choose from Engineer, High Intensity or Prismatic sheeting
- Panels can be factory-sheeted on one or both sides

ADA Type II



Type II Format
with Parade Panel



LED and Solar Barricade Lights

Consists of Type A/C, D Cell, 6-Volt standard and B-lights, Solar lights, 360 degree lights, Barge lights and contractor (sale) lights. You can tailor your light by using different housing colors and/or lens colors. All lights come packaged with bolts, wrenches and pins.



Safety Barricade System

24" x 96" RRM Safety Barricade

SPECIFICATIONS:

Composition: UV-Resistant Polyethylene
Size: Height: 24" / 610 mm
Length: 96" / 2438 mm
Width: 16" / 407 mm

Product Number:
2408-50



42" x 72" RRM Safety Barricade

SPECIFICATIONS:

Composition: UV-Resistant Polyethylene
Size: Height: 42" / 1067 mm
Length: 72" / 1829 mm
Width: 24" / 610 mm

Wall Thickness:
100: .250" / 6.35 mm (avg.)
130: .365" / 9.27 mm (avg.)
170: .440" / 11.18 mm (avg.)

Product Number:
4206-100, 4206-130, 4206-170



42" x 96" RRM Safety Barricade

SPECIFICATIONS:

Composition: UV-Resistant Polyethylene
Size: Height: 42" / 1067 mm
Length: 72" / 1829 mm
Width: 24" / 610 mm

Wall Thickness:
150: .280" / 7.12 mm (avg.)
175: .365" / 9.27 mm (avg.)
200: .400" / 10.16 mm (avg.)
225: .440" / 11.18 mm (avg.)

Product Number:
4208-150, 4208-175, 4208-200, 4208-225



31" x 120" RRM Safety Barricade

SPECIFICATIONS:

Composition: UV-Resistant Polyethylene
Size: Height: 31" / 787 mm
Length: 120" / 3048 mm
Width: 24" / 610 mm

Product Number:
3110-155



AVAILABLE COLOR OPTIONS:



Work Zone Safety



Stop/Slow Paddles

- Paddles are available in hand held or staff mounted versions.
- Lightweight paddles conform to the new design as described in the Manual on Uniform Traffic Control Devices

Spring Cone™

- Compact for easy storage
- Meets MUTCD requirements for 28" highway traffic cone
- Flexible Spring Cone™ spills wind for increased stability
- Cone is made of a durable, bright orange, flexible mesh material

Traffic Cones

- All vinyl construction assures flexible, yet rugged durability in all types of weather.
- High visibility protection is provided by the cone's brilliant fluorescent color.
- Ultraviolet stabilized to provide maximum resistance to fading.
- 18" and 28" cones available with 3M High Intensity collars for increased visibility.



T-Cap

A polyethylene adapter that universally fits into construction cones ranging in height from 12" to 36"

Cone Bar

Technical Specifications	
Length	3.0 ft' adjust to 6.0 ft' 6.0 ft' adjust to 10.0 ft'
Material	ABS
Weights	1.35 lbs
Cone-Bar ring diameter	0.28'



Pack and Pop Collapsible Cone

- Internal light has two settings: steady burn and flashing
- Cone light endures 100,000 flashes or 36 hours of steady burn
- Operates on 2 'AAA' batteries (included)
- 18" and 28" Pack and Pop Cones have 1 L.E.D. internal cone light-bulb and 30" Pack and Pop Cones have 4 L.E.D. internal cone light-bulbs



The Director™ Barrel

- Meets MUTCD specifications - 18" minimum diameter
- Two piece break-away construction
- Able to display one or two type "A" or "C" lights
- Available with or without reflective sheeting
- Choice of recycled rubber bases of 25 lb, 40 lb and tire rings
- Meets NCHRP 350 requirement
- Impact resistant, low-or high-density polyethylene
- Height 42.5" overall
- Width 18" top - 23.5" base

Emergency Flare Warning Lights



224 Flare-Lite



Light weight 212



212 Flare-Lite

The 212 Flare-Lite is lightweight with a carrying handle for ease of use. The legs of its barricade type structure fold for easy storage and adjust for all types of terrain. The 224 Flare-Lite can be held like a flashlight or dropped into a traffic safety cone.

Navigator



42" Navigator



28" Navigator

Recommended Uses:

- Lane closures
- Crowd control
- Parking lots
- Vehicle traffic control
- Airports

Worker Convenient - Loop handle allows workers to carry 3, 4 or even 5 at one time



Other Navigator Features:

- Meets all applicable MUTCD specifications.
- 42-inch Navigator available with up to five bands of 6-inch sheeting
- 28-inch Navigator available with up to three bands of 6-inch sheeting
- U.V. stabilized for longer life



10 & 16 lb Bases
Feature Hexagon Shape



30 lb base features
rectangular shape



40 lb base features semi-circular shape and may also be used as internal ballast for lifeguard II channelizer drum

Molded Rubber Bases:

- Navigator utilizes PSS or other industry standard solid rubber ballasts
- PSS bases available in 10, 16, 30 or 40 lb weights
- Manufactured from 100% Recycled Rubber

TRAFFIC SAFETY

The PowerFlare PF-200 Series of Electronic LED Safety Lights

LED Colors:

Red • Amber (shown)
White (shown) • Green (shown)
Blue (shown) • Infrared



	PF-200	PF-200R (Rechargeable)	
Size	4.25" (12cm) diameter x 1.25" (3.5cm) tall		
Weight	Less than 7 oz. (200 g) with battery		
Battery	1 CR-123 Lithium battery	1 RCR-123 3.6V rechargeable Li-Ion battery	
Shelf-Life	10 years	Holds useful charge for - 60 days out of charger; but meant to be left in charger when not in use	
Buoyancy	Positive (floats); can attach weight		
Power	Non-rechargeable CR-123 Lithium Battery	Charger PF-CHGR-206: 12-30VDC, 1A (max.); 0.7A trickle (A/C adapter avail.) @ 12VDC nominal	
Op. & Storage Temps	<u>Fahrenheit</u> : -40/-40 to 212/248 deg F <u>Celsius</u> : -40/-40 to 100/110 deg C		
Emission Source	360° LED array: solid-state; no filament		
LED Light Colors (per unit)	Red, amber, blue, green, white, infrared (IR). Custom colors available.		
Light Output Wavelength (nm) Color & Power (PEP)	Red: ----- 630 @ 128,000 mcd Amber: ----- 595 @ 80,000 mcd Blue: ----- 464 @ 38,400 mcd Green: ----- 525 @ 80,000 mcd White: ----- white spectrum @ 96,000 mcd Infrared: ----- 890 @ 236 mW		
Daylight & Night Visibility Ranges	<u>Night</u> : visible to 900M (~3,000 ft) on road or water > 10 miles (16 km) from air <u>Day</u> : visible to 300M (~1,000 ft)		
Housing Color & Material	Yellow, orange, or olive drab (OD) polymer		
Water Depth Rating	80' submersion		
HAZMAT	Hermetically sealed; intrinsically safe		
Chemical	Contains no hazardous chemicals Withstands exposure to petroleum based fuels Avoid acetones and benzopyrenes		
Switch Type	Push button		
Flash Patterns (User-Selectable)	Flash Pattern	PF-200	PF-200R
Max. Run Times, Continuous	Solid-On High	8 hours	2 hours
<i>Note: Times listed are for red, amber, and IR LED's. Blue Green & White color LED versions will run from 50-80% of listed times depending on pattern used.</i>	Rotate	16 hours	3 hours
	Alternate	10 hours	2 hours
	Quad-Blink	50 hours	10 hours
	Double Blink	35 hours	7 hours
	Fast-Blink	20 hours	8 hours
	Slow-Blink	150 hours	100 hours
	Solid-on Low	100 hours	36 hours
	"S-O-S"	24 hours	4 hours
	Flashlight	25 hours	3 hours



Standard Features

- 360° high visibility led beacons - flashing and steady-on
- Portable, safe, easy to use, cost effective (2 cents/hour)
- Bright clear colors
- Designed for use in Class 1, Division 2/Zone 2 hazardous areas
- Up to 40 hour battery life with low battery indicator
- Tough and dependable with one year limited warranty
- Can be submerged up to 100 ft. of water

Specifications

- Beam colors available • red, amber, blue, green and white
- Beam brightness • 15,000 - 25,000 millicandela
- Max beam conspicuity • between horizontal and 10° above horizontal
- Flash rate • 120 flashes per minute
- Batteries • 2 alkaline D cells
- Battery life • up to 40 hours at full brightness
- Height • 8.0 inches (including base)
- Weight • 1.00lb. (including batteries)



Approvals & Certifications:

- Complies with U.S. DOT (FMCSA) 49 CFR §§ 392.25 and 393.95 (g).*
- MUTCD Type A (flashing) and Type C (solid on)
- Designed to meet MIL-SPEC/MIL-STD 810 for shock, vibration, and water-resistance.

Wireless Remote Control Portable Search Light



Durable, Versatile, Powerful...Guaranteed!
Searchlights Built to Last.
Cr5 Pentabeam™ Technology
Remote Controlled Operation
370° Rotation x 120° Tilt
400,000 Candle Power, 5.5 Amps
U.V. & Salt Water Resistant
3 Year Warranty



PSLM2



Compact and portable 360-degree LED light with carrying strap and magnetic base included. Contains 24 ultra-bright LEDs. Includes optional use photocell. Runs on 2 "D" batteries. Optional handle (Part Number PS-HDL) available separately. Handle fits into most standard traffic cones. 300-400 hours per set of "D" batteries (Not Included).



MMBLEDLP Mini Bars

Low Profile LED Micro-Mini Bar. Contains 24 high quality output LEDs, 6 user selectable patterns. Optional 24V or magnet mount version available. Colored domes available.



New two rocker switch cig plug with on/off rocker & pattern changing rocker



R2 Permanent mount pattern changing button



MMBSLEDFL-C/A

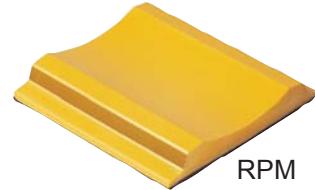
Economy Low-Profile LED Mini-Bar. 12/24V, LED Mini bar. Unit cycles through pre-programmed flash patterns. Magnet mount version includes 15' straight cored and plug with on/off switch.



Pavement Markers

RPMs & Halftracks

- Effective and convenient long-term temporary road marking products
- Designed to be long-lasting enough for use in both low volume and interstate highways
- Provide clear guidance to motorists both night and day
- Simple to install and remove



Halftrack



Temporary Overlay Markers (TOMs)

- Primarily for short-term temporary lane line markings in asphalt paving projects and other construction work zones
- Placed after final rolling of the new asphalt
- Engineered for easy application and removal to reduce the amount of time workers are in the roadway
- Unique adhesive system keeps the TOM securely in place but when it is time for removal the TOM comes up with a simple tug



TRPM



TOM

TOM options:

- Standard colors are yellow and white but are available in additional colors by special order
- TOMs are available with reflective sheeting on one or both sides

Flexible Chip Seal Markers (TRPMs)

TRPMs, just TOMs, provide positive guidance to drivers both night and day. The TRPM utilizes a cube-corner micro-prismatic reflector. These tough reflectors are extremely bright and resist cracking and peeling.

Options:

- Standard in yellow and white but other colors are available by special order
- Standard TRPMs come with at least one clear plastic cover or cap which is designed to protect the marker and reflective sheeting from sprayed asphalt or slurry products
- Multiple protective covers are available if the requirements of your sealing project warrant
- Special high heat TRPMs formulated to withstand extreme temperatures are available
- TRPMs are available with reflective sheeting on one or both sides



Curb Systems

Research has shown that fluorescent colors grab the eye's attention quickly. In low light conditions or on dark, gray winter days when visibility is limited, fluorescent posts stand out boldly and help to more effectively guide motorists.



- Proven safety and performance - FHWA approved, NCHRP 350 tested and accepted at 70mph/112kph
- Designed for high speed applications

Surface Mount Posts

- Posts feature the unique clover-leaf design that allows the tubular post to rebound time after time when simple round posts fail
- Conforms to MUTCD & NCHRP 350 standards with proven durability on NTPEP test deck

Base

- Standard base for general purpose applications
- Flush mount channelizer posts



Interstate
Grade Curb
System

Turnpike
Grade Curb
System

Flexible Roadside Posts



- Guide posts that offer a combination of strength, flexibility and durability that stand up in the harshest weather conditions
- They will not discolor when exposed to UV rays and will not rust, rot or splinter
- NTPEP Tested, NCHRP 350 Approved



Round Channelizer Posts

- Provides 360 degrees of highly reflective delineation
- Impact resistant from all directions
- MUTCD and NCHRP 350 compliant



Flexible X-Last Bollards

X-Last bollards are highly rigid and strong. Yet cars can bump into them without damage, but they will not bend or break. However, when emergency vehicles need to gain access, they can pass over them easily. There is no need to remove them first or replace them after. The flexibility and "memory" of the polyurethane material, returns the bollard to a full upright position!



Boule Style

The Boule is offered at 31.5 inches in height



Gorge Style

The Gorge is offered at 31.5 and 41.5 inches in height



Bollard Post Guard

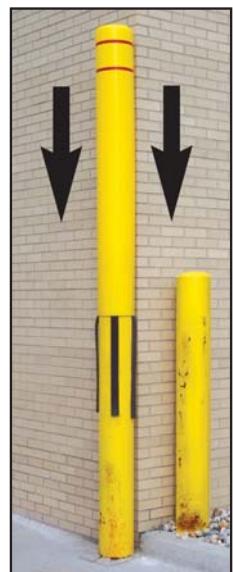
Post Guard is a protective sleeve that easily fits over posts. It saves time and costs by eliminating constant scraping and repainting. The plastic part contains ultraviolet and anti-static additives that withstand extreme temperatures. Custom colors, symbols and company logos are available.

Post Guard sizes:

4.5" Dia. x 52"
4.5" Dia. x 64"
7" Dia. x 60"
7" Dia. x 72"
8-7/8" Dia. x 72"
10-7/8" Dia. x 60"

Square:
4.5" x 4.5" x 55"
6.5" x 6.5" x 55"

Easily trimmed
on-site to fit your
applications



EZ See Hydrant Marker

Item #	Description
41610	1/4" x 4' Orange Hydrant Marker
42610	1/4" x 4' White Hydrant Marker
51610	1/4" x 5' Orange Hydrant Marker
52610	1/4" x 5' White Hydrant Marker
72610	3/8" x 5' White Hydrant Marker
10501	Bracket, Flat (hydrants)
10801	Bracket, L shaped



Driveway Marker

Item #	Description
55948	1/4" x 4' Driveway Marker
55950	5/16" x 4' Driveway Marker
55952	5/16" x 5' Driveway Marker
55962	5/16" x 6' Driveway Marker



Fiberglass
5" reflective tape
36 per box
Vinyl Caps are standard
Metal Caps (available upon request at additional cost)

Poletoctor 360

Poletoctors are highly visible and offer impact and fade resistance. They are made with durable polypropylene and snaps around new or existing cement light pole bases in minutes without the use of tools. Made in the USA.



Foam inserts provide impact resistance while keeping Poletoctor snug on pole.

Before

After

Stock Colors

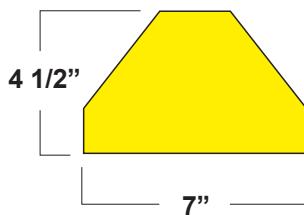
	Black		Imperial Blue
	Safety Yellow		Safety Blue
	Silver		Red

CUSTOM COLORS
AVAILABLE
MIN. 50 UNITS

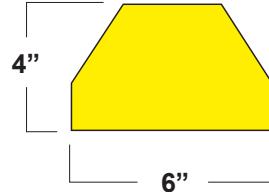
Solid Plastic Parking Block Specifications



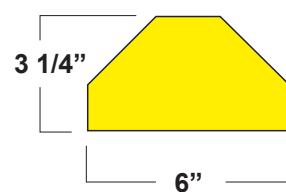
LENGTH	NOTES	WEIGHTS	COLORS
4'	The 4' parking block comes in DELUXE and STANDARD	Deluxe: 24 lbs. Standard: 20 lbs.	Yellow
6'	The 6' parking block comes in DELUXE, STANDARD and COMPACT	Deluxe: 36 lbs. Standard: 30 lbs. Compact: 25 lbs.	White
8'	The 8' truck block comes in one size only: 7" x 10" x 96"	Truck Block: 100 lbs.	Gray
20"	The wheel chock comes in one size only: 4" x 6" x 20"	Wheel Chock: 10 lbs.	Black
			Blue



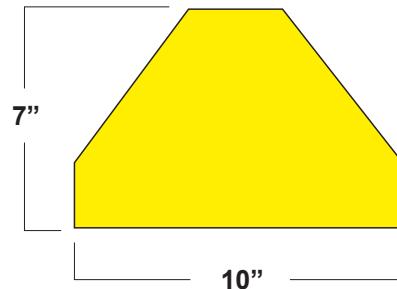
DELUXE



STANDARD



COMPACT



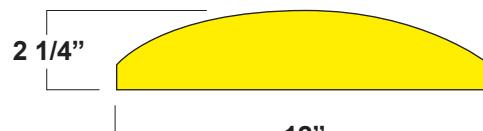
TRUCK BLOCK

Solid Plastic Speed Bump Specifications

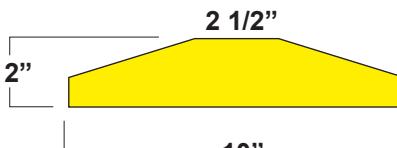


LENGTH	NOTES	WEIGHTS	COLORS
4'	The 4' speed bump comes in DELUXE and STANDARD	Deluxe: 28 lbs. Standard: 22 lbs.	Yellow
6'	The 6' speed bump comes in DELUXE and STANDARD	Deluxe: 41 lbs. Standard: 25 lbs.	
9'	The 9' speed bump comes in STANDARD only	Standard: 50 lbs.	

- Includes installation instructions and hardware
- All dimensions are nominal - allow for up to 3-6% mold shrinkage
- Lifetime warranty



DELUXE



STANDARD

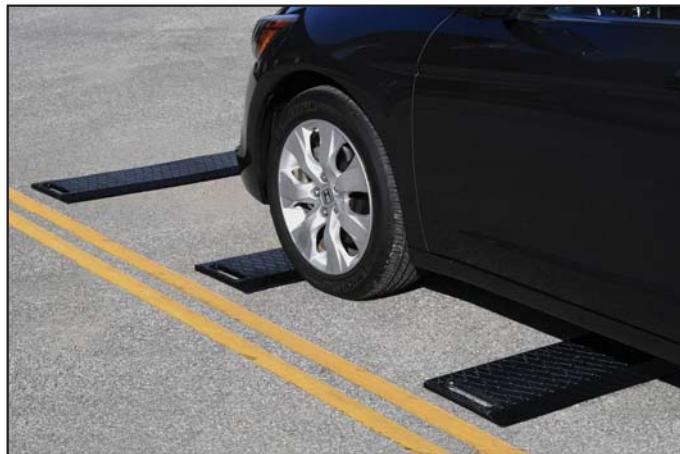
RoadQuake™ Temporary Portable Rumble Strip

Ideal for Short-Term Work Zones

Where daily installation and removal of the work zone is required:

- Pilot car or flagging operations
- Lane closures
- Traffic safety check-points
- Routine maintenance projects
- Paving operations

Recommended for 2 or 4 lane highways with posted speed limits of 60 mph or less.



RoadQuake is:

Temporary

- No nails or glue are needed for installation and use.
- Quick installation and removal time. No clean-up!

Portable

- No installation equipment needed.
- A crew of 2 can install an array in minutes.

Durable

- 3-5 year life under normal conditions.
- Suitable for use in rain and colder temperatures.

RoadQuake Features:

- At 11 feet long, RoadQuake traverses an entire lane.
- At 12" wide and 13/16" thick, RoadQuake generates a significant audible and vibratory alert.
- In closed-track tests of sound and vibration, RoadQuake tested as high as milled strips, and higher than glue-down strips.
- The beveled edge, which faces traffic, makes RoadQuake motorcycle-friendly.
- Ergonomic handles make installation and storage easy.
- Non-slip textured surface keeps RoadQuake in place.



GOOD SEAL

Good Seal Products is a Division of Sherwin Industries, Inc

Good Seal Products is a division of Sherwin Industries, Inc. and has been manufacturing coal tar sealers for contractors and homeowners since 1981. In 2002 Good Seal Products introduced and started manufacturing asphalt emulsion sealers.

STAR SEAL brand sealers, produced by Good Seal Products, is a contractor grade sealer that meets or exceeds ASTM D5727-00 specification. All coal tar and asphalt emulsion sealers are manufactured in Milwaukee, WI and shipped to our warehouse locations for convenient customer pick up. Good Seal will also ship bulk tanker loads directly to our contractors or governmental agency in concentrate or ready-to-use form.



Good Seal Products/ Crafco Equipment

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Office: (414) 281-6400
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SPECIALTY TECHNOLOGY AND RESEARCH

STAR-Seal is a heavy-duty coal tar sealer that is specifically designed to protect and beautify asphalt pavement. Composed of high temperature refined coal tar pitch, selected mineral fillers and surfactants, **STAR-SEAL** forms a tough durable and flexible coating that protects asphalt pavements from the damaging elements of weather, water, salts, gas and other petro-chemicals. **STAR-SEAL** is manufactured using a carefully monitored batch process to ensure that you receive the most consistent material possible.

- Rich Black Color
- Extends Pavement Life
- Increases Curb Appeal
- Stops Oxidation
- Cuts Maintenance Cost
- Resists Chemicals
- Prevents Water Penetration



STAR-Seal Application:

STAR-SEAL is supplied in concentrate and must be mixed with:

- Water - for proper application consistency
- Silica Sand or Aggregate (50-70 mesh) - for traction and uniform textured appearance.

Additives such as Macro-Flex, Macro-Fast and/or Max-Dri may be added to maximize performance



- | | |
|----------------|---|
| G1001 | STAR-Seal Concentrated Sealer, Federal Spec. 5 gallon pail |
| G1002 | STAR-Seal Concentrated Sealer, Federal Spec. 55 gallon drum |
| *SEALER | STAR-Seal Concentrated Sealer, Federal Spec. Bulk pickup or 4200 gallon truck load deliveries |
| G70/30 | STAR-Seal® 70/30 (Pro Blend) of Coal Tar sealer and Asphalt Emulsion |



Good Seal Products offers our customers the use of bulk agitated tanks for those larger jobs.

Available in 300 and 500 capacities when available.

- | | |
|---------------|--|
| *G1030 | STAR-Seal sealer and filler |
| *G1004 | STAR-Seal ready-to-use sealer |
| *G1006 | STAR-Seal Concentrated sealer, any size gravity tank |
| *G1007 | STAR-Seal ready-to-use sealer, any size gravity tank |

The SUPREME Advantage

STAR-Seal Supreme is a premium grade pavement sealer for discriminating jobs that demand outstanding performance and appearance year after year. It is the ultimate in asphalt pavement protection having an extraordinary degree of toughness, flexibility and water repellency.

STAR-Seal Supreme utilizes a proprietary technology to achieve toughness and flexibility. Toughness is important as it will reduce wear from traffic and last longer on the pavement surface. Flexibility is important so that the coating can flex with the changes in the asphalt, reducing cracking. Specialty polymers, rubber, and chemicals are blended with the hot refined tar during the manufacturing process. The hot blending allows the optimum fusion of these ingredients with the refined tar, thus the full development of properties.

STAR-SEAL SUPREME® *G1020

- Outstanding toughness & durability
- Flexibility at all temperatures
- Fast drying to rich, black color
- Excellent resistance to fuel, gasoline, oil and chemicals
- Fills minor voids and provides uniform texture
- Stops pavement degradation
- Preserves asphalt oils in the pavement
- Easy to clean and maintain
- Highly cost effective



STAR-Seal Supreme achieves water resistance by creating a clay chemistry that repels water. Water is the most damaging element to asphalt surfaces and coatings.

STAR-Seal Supreme resists re-emulsification caused by water attack on the clay system so prevalent in competitive coatings. The improved water repellency enhances the longevity of the coating and reduces the chance of tracking.

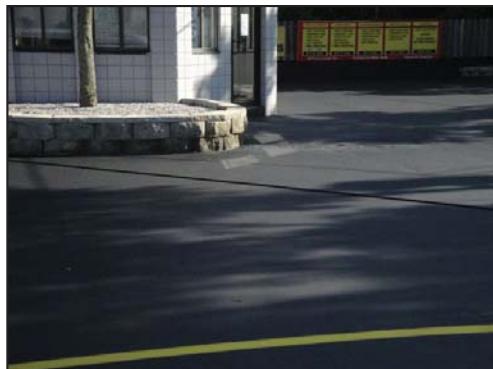
STAR Micro-Pave

STAR MICRO-PAVE Application:

STAR MICRO-PAVE is a concentrated product, which must be thoroughly mixed with:

- Water at 15-20% by volume.
- mixed with 50-70 mesh silica sand or aggregate at a rate of 4-6 lb. per gallon.

All asphalt pavements shall be sealed with two (2) coats of the above mix per detailed specifications for STAR MICRO-PAVE.



STAR MICRO-PAVE *G1050

- Fills and smooths pavement voids
- Seals out water and sunlight
- Seals in asphalt oils
- Restores rich, black color
- Provides a tough, resilient wearing surface
- Non-tracking
- Non-toxic to workers and environment
- Easy to clean, stripe and maintain
- Cost effective

Latex Additives

Macro-Flex - R+V

- Longer lasting, increased toughness & flexibility
- Increases viscosity to suspend higher sand loads
- Improved gasoline, oil and chemical resistance
- Faster drying time
- Meets FAA specifications
- 1:1 water dilution



Part #	Description
G1083R	1 Gallon
G1083	5 Gallon
G1083A	55 Gallon

Macro-Fast *Rapid Drying Additive For Sealcoatings*

- 60% faster curing time
- Will NOT change sealer viscosity
- Reduces power steering marks and tracking
- Deeper jet black color
- More cost effective than competitive additives
- Improved gasoline, oil and chemical resistance

Part #	Description
G1084	5 Gallon



STAR ADVANTAGE 4

4 in 1 ADDITIVE

For All Sealcoatings, Based on Asphalt and Coal Tar

- **Fast Drying:** Quicker off/on times for traffic
- **Performance Boosting:** Higher scuff and chemical resistance
- **Blacker, Darker, Dry Sealer Color:** Sealcoatings dry darker in sun or shade
- **Thickening for Sand Suspension:** Effectively suspends large amounts of sand or aggregates to increase traction and for overall appearance

Part #	Description
G1086	5 Gallon



Cold Crack Sealants

Sta-Flex

- Cold applied, no expensive application equipment required
- Stays flexible, rubberized using high-molecular weight polymers
- Easy to apply and cleans up with water
- Compatible with both coal tar and asphalt emulsion sealers

Coverage: 100 linear feet @ (3/8" wide by 1/2" deep)

Packaging: 1 gallon jug, 5 gallon bucket

Part #	Description
G1092	1 Gallon
G1093	5 Gallon

Sta-Flex Trowel Grad

- Tough, flexible and durable, it is rubberized with polymers and reinforced with specialty chemicals and minerals
- Compatible with both coal tar and asphalt emulsion sealers
- Ready to use, and cleans up with water

Coverage: 75-80 linear feet @ (1/2" wide by 1/2" deep)

Packaging: 5 gallon bucket
55 gallon drum

Part #	Description
G1094	1 Gallon
G1095	5 Gallon

SURFIX Premium Trowel Grade

- Heavy bodied mastic patching & repair product designed for excessively cracked areas
- Outstanding flexibility and toughness resulting into superior performance
- Compatible with both coal tar and asphalt emulsion sealers.
- Cleans up with water

Coverage: Varies greatly depending on application.
(approx. 1 gallon per 25 sq ft)

Packaging: 5 gallon bucket

Part #	Description
G1040	5 Gallon



Primers & Patch

One-Step

- Apply at full strength to prime and seal in "one step"
- Dilute 1:1 with water to use as a primer coat
- Dries to a satin black finish
- Dries fast, in about 20-30 minutes
- Bonds to surfaces contaminated by oil, grease and fuel
- Can also be used to black out traffic markings



Part #	Description
G1010	5 Gallon Pail

S.O.S.

- Dilute 2:1 with water for proper application
- Transparent coating when dry
- Dries fast, in about 20-30 minutes
- Will stop oil, grease and fuel from bleeding through the sealer
- Acrylic latex based: highly efficient

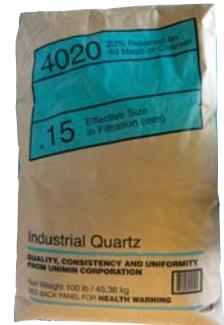


Part #	Description
G1087B	1 Gallon
G1087	5 Gallon



Silica Sand

Part #	Description
G1116	100# bags Medium #4020, 35 bags per pallet



Black Boiler Slag

Part #	Description
G1117A #3060 Finest	100# bags,
G1117 #2040 Fine	40 bags per
G1117B #1240 Coarse	pallet



STAR Green

NO COAL TAR, NO ASPHALT, NO PAHs.

BASED ON HIGH PERFORMANCE POLYMERS AND SPECIALTY CHEMICALS.

Asphalt Pavement Sealer

- Fast Drying
- Resistant to Oil, Salts, Gas and Petrochemicals
- Durable, Tough & Flexible

Part #	Description
G1061	5 Gallon Pail
G1061D	55 Gallon Drums
G1061T	275 Gallon Totes



STAR GREEN is an acrylic polymers-based sealcoating that belongs to a new generation of sealcoatings that are totally free of refined coal or asphalt binders. **STAR GREEN** is totally free of PAHs (polycyclic hydrocarbons). **STAR GREEN** cures to a beautiful black color that does not fade or weather with time. In addition to acrylic polymers, **STAR GREEN** is made with a select group of pigments, fillers and surface active compounds. It is easy to apply and store. Its durability will match to that of any premium grade sealer.

- Non-hazardous in application and storage.
- Longevity, toughness and flexibility
- Fast drying
- Uniform black color that will not fade with weathering
- Built-in water repelling properties of cured sealcoatings
- Resistant to oil, gas, salt and petro-chemicals

STAR GREEN is recommended for all asphalt pavements; home driveways, restaurants, commercial parking lots, gas stations, schools, play areas, office complexes, etc. Gas Stations and many more.

COVERAGE RATE

0.08-0.10 gallon/sq. yard (90-110 sq. ft/gallon)

No. of coats - Only one

MIX DESIGN

Important - All mix designs must include sand @ 3-3.5 lbs. gallon of **STAR GREEN**.

STAR GREEN	100 Gals
Water	5 Gals
Sand 50-70 AFS	300 lbs.

Acrylic Resurfacer

1.0 MATERIAL DESCRIPTION

Acrylic Resurfacer is a concentrated 100% acrylic latex binder designed for field mixing with silica sand and is to be applied to recreational surfaces constructed of hot-mix asphalt or Portland cement concrete.

2.0 INTENDED USE

Acrylic Resurfacer is intended for preparing new asphalt or concrete surfaces as well as existing acrylic surfaces for color coating.

3.0 MIXING INSTRUCTIONS

The following mix has been found to be satisfactory for average surface conditions:

Acrylic Resurfacer	55 gallons	30 gallons
Silica Sand (60-80 Mesh)	600-900 lb.	325-400 lb.
Clean potable water	20-40 gallons	11-22 gallons

4.0 PHYSICAL PROPERTIES

Color:	Black
Coverage Rate (undiluted)	0.06 gallons/sq. yd.
Weight per gallon:	8.8 lbs.
Curing conditions:	70°F & 50% relative humidity
Estimated cure time:	2 hours
Minimum ambient, surface & product installation temperature:	60° and rising

Note: Low temperatures or high humidity will increase drying time drastically. Maximum surface temperature = 140° F

DecoColor®

G1210	Ready to Use Color Coating Blue	5 gal. pail	G1233	Custom Coating Concentrated Summer Red	55 gal. drum
G1211	Ready to Use Color Coating Red	5 gal.pail	G1234	Custom Coating Concentrated Spring Green	55 gal. drum
G1212	Ready to Use Color Coating Green	5 gal. pail	G1250	Acrylic Base for Recreational Surfaces	55 gal. drum
G1213	Ready to Use Color Coating Tan	5 gal. pail	G1250A	Acrylic Base for Recreational Surfaces	5 gal. pail
G1236	Custom Coating Concentrated Forest Green	55 gal drum			

PROJECT GALLERY

DecoTurf provides the world's best acrylic surfaces. Professional and residential customers alike consistently choose our sports courts for tennis surfaces, basketball court surfaces, hockey surfaces and other projects where a reliable and consistent playing system is required. View our project gallery to see real life application of our products and colors.



TENNIS



BASKETBALL



MULTI-SPORT



DECORATIVE



Armour Guard

**Clear, 100% Acrylic Latex, Fast Penetrating Sealer
For Protecting Concrete, Brick, Masonry & Wood Substrates**



SSCA55	55 gallon
SSCA5	5 gallon
SSCA275	275 gallon

- Shields and protects against the irreversible effects of salt and chemical damage to concrete
- Improves flexural and tensile strength of the concrete
- Easy to apply, fluid, water-like consistency
- Water based product is safe to handle and easy to store
- Non-flammable

All types of concrete, brick, masonry and exterior wood surfaces.

- Concrete driveways, sidewalks, garage floors
- Basement foundation walls and floors
- Specially suited for protecting and beautifying paving stones, terrazzo tiles, rocks, etc.

Coverage rate is approx. 200 sq. ft. per gallon, which may vary depending upon the surface porosity of the substrate.

Approx. 30 minutes which may vary according to ambient temperature and drying conditions.

STAR ARMOUR-GUARD is a specialty clear penetrating sealer that was developed especially to protect common building materials like, concrete, brick, masonry, etc. Being based on 100% Acrylic polymers and specialty chemicals, STAR ARMOUR-GUARD is highly stable and resistant to water, salts, ultraviolet and weathering.

It quickly penetrates the substrates and forms a rubber network in the interstices that stops water, chloride de-icing chemicals, salt, and other damaging elements from entering and destroying concrete.

Star Macro Deck



SSMD5	5 gallon
SSMD55	55 gallon

- 100% acrylic polymer concrete saturant.
- Superior grade DOT tested formulation.
- Penetrates concrete, won't wear away like surface coatings.
- Environmentally safe, non-flammable, water based product.
- Easy to apply, does not degrade when stored.
- Economical solution, lasts longer, does not wash away or break down from U.V. like traditional linseed oils does.
- No specialized training or equipment required.

STAR Inc. is the first to provide innovative solutions for the nations' deteriorating bridges.

STAR Macro-Deck is a specialty penetrant and saturant system, specifically designed to protect concrete structures, bridge decks, columns, and control barriers. This advanced technology is based on specialty polymers and formulated concrete saturants.

STAR Macro-Deck penetrates in to the concrete profile and quickly forms a rubber matrix inside the physical structure. STAR Macro-Deck will not allow water, deicing salts, and other damaging elements to penetrate the concrete structure.

STAR Macro-Deck maintains both the flexural and tensile strength of concrete and can be applied on new and existing concrete structures.

Crack Filler

LASTEK Rubberized Caulk Grade Crack Sealer for Asphalt or Concrete

G1054	Lastek 34 Black 0.1 gal. Capacity caulking tube	Case of 12 tubes Tube
G1055	Lastek 35 Gray 0.1 gal. Capacity caulking tube	Case of 12 tubes Tube



Chem-Calk®

Capable of dynamic joint movement totaling 50% of original joint geometry ($\pm 35\%$), designed for sealing expansion joints, control and perimeter joints in parking decks, pavements, plazas, malls, patios, driveways, factory and institutional floors or any other areas subject to foot traffic and light vehicle traffic.

CHEM-CALK 955-SL

One-component self-leveling polyurethane sealant. Exceeds ASTM C-920, Type S, Grade P, Class 35, Traffic Grade. SWRI validated.

28 oz. Cartridge: 12/cs	Limestone	A71010	A
	Light Gray	A73230	A
	Black	A72630	A
5 gallon Pail	Limestone	A71005	MTO
	Light Gray	A73230	MTO
	Black	A72605	MTO



Rock Salt



50 lb. Bag Ice Melt
Pallet (49 Bags)
Truck load (18 Pallets)



50 lb. Bag Calcium Chloride
Pallet (56 Bags)
Truckload (18 Pallets)

Cold Patch

G1301	G1300	S11	Cold patch 5 gallon pails
		S10	Cold patch Bulk
		S10B	Cold patch 50 lb bags



Miscellaneous Sealing Tools

PART #	DESCRIPTION
G1130	18" Sealer Brush with Handle
G1131	18" Sealer Brush Refill
G1134	24" Heavy Duty Sealer Brush with Handle
G1135	24" Heavy Duty Sealer Brush Refill
G1136	36" Heavy Duty Sealer Brush with Handle
G1137	36" Heavy Duty Sealer Brush Refill
G1137A	48" Heavy Duty Sealer Brush
G1137B	48" Heavy Duty Sealer Brush Refill
G1138	2" Throw-Away Sealer Brush/Squeegee
G1138A	48" Throw-Away Sealer Brush Handle
G1141	18" Throw-Away Sealer Brush /Squeegee
G1145A	Aluminum Holder for Brushes
G1145B	3-1/4" Aluminum Brush Bracket (smaller)
G1190	5" Wide Brushes for Sealing Machine
G1176	3" Scraper (handle sold separately)
G1180	Rubber Sealing Gloves
G1141A	Sealer Broom with Handle
G1141B	24" Sealer Broom Head
G1141C	36" Sealer Broom Head
G1158	Bracket for Broom Handle
G1142	30" Heavy Duty Squeegee with Handle
G1142A	30" Squeegee Refill Punched
G1143	36" Heavy Duty Squeegee with Handle
G1143A	36" Heavy Duty Squeegee Refill Punched
G1144	60" Heavy Duty Squeegee with Steel Frame
G1144A	5" Squeegee Refill Punched
G1145	Aluminum Squeegee Holder
G1160A	8' Wooden Handle
G1160	6' Wooden Handle
G1170	Drum Mixer for 1/2" Drill
G1171	5 Gallon Pail Mixer for 1/2" Drill
G1260	5 Gallon Plastic Pail with Cover
G1263	5 Gallon Plastic Pail Opener For Easy Lid Removal
G1262	55 Gallon Steel Drum Open Head with Cover
G1163	3" Putty Scraper
G1164	Rolatape Small Style
G1165	Rolatape Large Style
G1209	Duct Tape, Large Roll
G1175	36" Wooden Stakes, 1 Dozen
G1140	Vandal Mark Remover, 20 oz.
G1140A	Big Orange Industrial Spray, 18.5 oz.
G1206	Fuel Oil Brush



Mobile Sprayer Sealer Tank Accessories

- G1280** 3" Heavy Duty Rubber Discharge Hose
G1281 2" Plastic Discharge Hose
G1282 2" Heavy Duty Rubber Discharge Hose
G1283 5' Aluminum Sealer Wand with Valve Tip Included
G1283A 5' Aluminum Wand, no valve tip included
G4450 Exhaust Muffler with Filter for Spray Unit
G1284 3/4" High Pressure Hose 300 psi, no fittings
G1284A Hose Fitting for High Pressure Hose, both ends (2)
G1284B 1/2" High Pressure Hose 300 psi, no fittings
G1284C 3/8" High Pressure Hose 300 psi, no fittings
G1286 2" Ball Valve, 6' Plastic Hose (2"), 1 set of quick coupler and 2" short nipple
G1287 6' Plastic Hose (2") 1" quick coupler on one end and 2" short nipple
G1161 Steel Spray Tip 80/40
G1161A Steel Spray Tip 80/50
G1161B Steel Spray Tip 80/60
G1161C Steel Spray Tip 80/70
G1161D Steel Spray Tip 80/100
G1167 2" heavy Duty Brass Ball Valve
G1167A 3/4" Brass Ball Valve
G1167B 1/2" Brass Ball Valve
G1167C Spare Handles for Valves
G1172 Spray Wand Reducing Bushing, 3/4" pipe to 1/4"
G1172A Spray Wand Reducing Bushing, 3/4" pipe to 3/8"
G1172B Spray Wand Reducing Bushing, 3/4" pipe to 1/2"
G1173 2" Quick Coupler - aluminum, female and female ends
G1173A 2" Quick Coupler - aluminum, male end with female thread
G1173B 2" Quick Coupler Casing Nipple



Safety Glasses:
Fashionable and safe all at the same time! A must have for cleaning crews



Leather Palm Work Gloves:
High quality leather work gloves to keep your hands clean.



Cation and Banner Tape:
Cation tape comes in 1000' rolls.
Banner tape in 300' rolls



Disposable Coveralls & Pants:
The inexpensive way to keep your clothing clean. Sturdy enough to get several uses before replacing.

Little Wonder® High Output Blowers



Optimax

SHO
Suburban High Output



Optimax Blowers

All of the features, dependability and durability of regular series HO series blowers, but with **23% more blowing power** than HO models of the same horsepower.



Swivel Wheel Kit
p/n 9050-00-01
Easy to install.
Gives operator 360° turning control. Can also be locked in a straight position.

SHO "Suburban High-Output" Series

- 5-Year limited commercial, rental, or consumer warranty
- 3-Year Honda engine warranty
- Industry leading, patented designed blower
- Adjustable air deflector
- Lighter weight
- 12" rear wheels for improved maneuverability



HIGH OUTPUT BLOWERS

Item Number	Description
9502-00-01	SHO 4.6NP* Honda GC160
LB601-00-01	SHO 6HP Subaru EX
LB901-00-01	Optimax 9HP Subaru EX
LB900-00-01	Optimax 8NP* Honda GX270
9131-00-01	HO 11NP* Honda GX390
LB1401-00-01	Optimax 14HP Subaru EX
Blower Accessories	
9050-00-01	Swivel Wheel Kit

High Performance Vacuum

Push or Self-Propelled! Highest Suction, Best Reduction Ratio and Lowest Noise!

Picks up and reduces, bottles, cans, leaves (wet or dry), stones, etc. The user-friendly design produces minimal noise and dust with exceptional maneuverability, exceeding sales and performance expectations with dealers, rental companies, and ground maintenance professionals everywhere!

Accessories

- Hose Kit - p/n 600020
- Liner Kit - p/n 600025
- Nozzle Guard Kit - p/n 600035
- Felt Liner for Debris Bag - p/n 600050

Little Wonder HPV Standard Features

- Powerful 6 or 6.5hp Briggs Intek engine
- Cyclonic separator and exclusive bag design ensure easy unloading
- Unique dust direction system - reduces clouding and redirects dust particles to ground level
- Replaceable 1/4" polyurethane housing liner (model 5611-00-01)
- Advanced impeller and housing design
- Five blade, reverse inclined fan
- 8-bushel (or 90 lbs.) debris bag capacity
- Precision balance (whether the bag is full or empty)
- Pneumatic wheels (12" rear, 10" front)
- Automatic floating nozzle (nozzle heights .75" - 3")
- 1-Year commercial/consumer warranty
- 2-Year warranty on 5611 HPV and all truckloaders retailed and registered after March 1, 2008

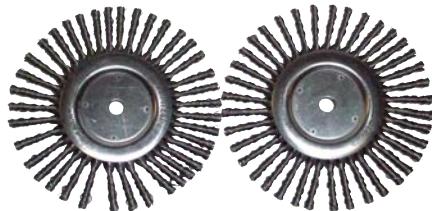


HPV-HIGH PERFORMANCE VACUUM	
Item Number	Description
5611-00-01	Walk-behind, 6HP Briggs, w/liner
5621-00-01**	Self-propelled hydro, 6.5HP Briggs
**Limited Quantity	
HPV Accessories	
600020	Hose Kit
600025	Replacement Liner
600035	Nozzle guards
600050	Felt Liner kit
600040	Swivel wheel kit for 5600/5601/5610/5611
600041**	Swivel wheel kit for 5621/5631

**Limited Quantity

Little Wonder Edger's

PART #	DESCRIPTION
GS6002-00-01	3.5 HP Briggs IC gasoline engine, 10" Pro-Edger
GS6232-00-01	4.0 HP Honda gasoline engine, 10" Pro-Edger
GS6020-00-01	Crevice crack cleaner kit
GS1270B	Replacement 8" wire brush for edgers



Little Wonder Crack Cleaner

Cutting up to 90 ft. per minute, these contractor-tough time savers are as rugged as they are easy to operate. With tough steel frames, cast iron cutter head housing and a selection of hardworking engines to choose from, they're built for heavy, daily usage.

- All models have controls positioned for added ease of operation.
- Little Wonder Edgers give you full cutting power at all depths, thanks to our unique height adjustment system.
- For a clear edge in durability, ease of operation and performance, it's Little Wonder.



Billy Goat® Blowers

F601S

At only 76 pounds, this unit is one of the lightest in its class making it a breeze to roll through the yard. Ideal for residential clean up, it costs little more than a backpack, but is 2.5 times more powerful, so you'll get your work done faster with less fatigue.

Features:

- 169 cc commercial Subaru engine
- 16" 16-blade fan
- 1-year engine warranty
- 1-year machine warranty

Air volume =
2.5 x backpacks*



F1802V & F1802SPV

The ultimate in volume and power! A 6" discharge with air velocity of just under 200 mph will blow and push leaves and debris farther so you can clean up faster than with any other blower in our lineup. Most competitors don't even make 'em!

Features:

- 570 cc commercial engine
- 17" 16-blade fan
- 3-year Vanguard engine warranty
- 2-year machine warranty
- 5-year housing warranty

Air volume =
5.5 x backpacks*



F902H F902S & F902SPS

Step up to the commercial clean up power! This unit is ideal for medium-size maintenance contractors and large property owners.

Features:

- 262 cc commercial engine
- 17" 16-blade fan
- 3-year Honda & Subaru and engine warranty
- 2-year machine warranty
- 5-year housing warranty

Air volume =
3.5 x backpacks*



F1302H & F1302SPH

Professional power and productivity, this Honda powered unit is a favorite for full-size landscapers, seal coaters, schools, parks departments, cemeteries, resorts, street departments, golf and estate properties.

Features:

- 393 cc commercial engine
- 17" 16-blade fan
- 3-year Honda engine warranty
- 2-year machine warranty
- 5-year housing warranty

Air volume =
4.5 x backpacks*



*Relative to most large backpacks

Grazor®

The Grazor® is invaluable for the sealing contractor who has to remove vegetation and other debris from cracks and crevices before laying down crack filler and applying sealant. Unlike cheap lawn edgers that weren't designed for this application, the Grazor's robust construction and balanced platform make cleaning cracks much less of a chore.



GZ401H & GZ451S

The Grazor® rips through ragged cracks and crevices at a rate of 5 feet every 15 seconds. Its rugged design and balanced platform are specifically engineered for the demands of the pavement industry. The pulley ratio is optimized for maximum cutting torque without belt slippage or premature sheave wear.

- Features:**
- 6-position height adjustment
 - 8" steel wire brush
 - Remote brush declutch
 - 3-year Subaru and 2-year Honda warranty



Grazor & Slot Machine Options

- G600172 - 8" Wire wheel-heavy duty for Grazor
- G620158 - 1/2" Router bit for SL
- G620159 - 5/8" Router bit for SL
- G620160 - 3/4" Router bit for SL
- G620161 - 1" Router bit for SL

Model	Engine	Weight	Front Wheels	Rear Wheels	Length	Width	Height	Brush
GZ401H	4.0 HP Honda OHC	84lb	5" Full-circle Caster	8" Semi-pneumatic	42"	19"	39"	8" Wire
GZ451S	4.5 HP Subaru	85lb	5" Full-circle Caster	8" Semi-pneumatic	42"	19"	39"	8" Wire

Model	Velocity	Fan	Discharge	Engine	Weight	Front Wheels	Rear Wheels	Length	Width	Height
F601S	Just under 200 mph	16" 16-blade Composite Fan	3.5"	6.0 HP Subaru EX	76 lb	8" x 3" Semi-pneumatic	10" x 3" Pneumatic	43.5"	22"	26" (housing), 45" (handle)
F901S	Just under 200 mph	17" 15-blade Composite Fan	4"	9.0 HP Subaru EX	139 lb	10" x 3" Pneumatic	13" x 5" Pneumatic	58"	29.25"	32.5" (housing), 45" (handle)
F901H	Just under 200 mph	17" 15-blade Composite Fan	4"	9.0 HP Honda GX	148 lb	10" x 3" Pneumatic	13" x 5" Pneumatic	58"	29.25"	32.5" (housing), 45" (handle)
F1301H	Just under 200 mph	17" 15-blade Composite Fan	5"	13.0 HP Honda GX	161 lb	10" x 3" Pneumatic	13" x 5" Pneumatic	58"	29x25"	32.5" (housing), 45" (handle)
F1801V	Just under 200 mph	17" 15-blade Composite Fan	6"	18.0 HP Vanguard	179 lb	10" x 3" Pneumatic	13" x 5" Pneumatic	58"	29.25"	32.5" (housing), 45" (handle)

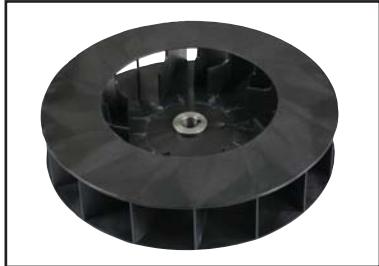
Features/Benefits



Grazor® - Wide, stable wheel base
Heavy-duty 8" semi-pneumatic tires improve stability and maneuverability on any hard surface.



8" Steel Wire Brush
Specifically designed to sweep through crevices for better prepared crack edges.



Powerful 15 and 16 Blade Fan
Computer designed for optimum performance, less weight, low noise, no rust and less stress on engine shaft. Compare to the competition.

Accessories



Forward Discharge Nozzle
(Optional for F6 series - part no. 441139; standard on F9 and F13 series.) Clears out debris next to buildings, fences or hedges.
Patent Pending.



Quick Lock Down Kit
(Optional for F9, F13 and F18 models only. Part No. 440120) Quick trailer lock down attachment saves time.



Parking Brake Kit
(Optional for F9, F13 and F18 models only. Part No. 440140) Prevents roll-aways on inclines and saves relocation time when you need to step away.



Mobile Skid Mounted Mixer Sealer Tanks

MIXERS FOR SPRAYING COAL, TAR AND ASPHALT EMULSION SEALING PRODUCTS

- Skid mounted 39" wide x 12' long
- Tank capacities from: 300, 500, 1000, 1500 gallons
- Full sweep blade mixer with rubber squeegee wipers operates in either forward or reverse direction
- Side mounted ladder for easy and safe loading
- Large, hinged loading door with steel safety screen
- Large lifting hooks
- Dual sided hose hangers
- 50 ft. of 3/4" high pressure spray hose and aluminum wand 5 ft. long with 80/70 tip
- Air operated gear reducer for agitation system, with adjustable speed control
- 13 HP Honda
- 175 PSI, 90 CFM air compressor, complete with all filters, regulators, and lubrication
- Built in surge system for uniform spraying of sealer
- Built in suction system to load from drums or tanks. 10 ft. long 2" diameter heavy duty suction hose with quick couplers
- 1 1/2" Wilden M2 air diaphragm pumping system
- In line material strainer

SEALER TANK WITH HAND AGITATOR

G1610 Model 300 HA
G1630 Model 550 HA
G1660 Model 1000 HA

SKID MOUNTED SEALER TANK W/AIR

POWERED AGITATOR & AIR PUMP

G1700 Model 300 APA-ADP
G1710 Model 550 APA-ADP
G1720 Model 1000 APA-ADP

SKID MOUNTED SEALER TANK WITH AIR POWERED AGITATOR

G1620 Model 300 APA
G1640 Model 550 APA
G1650 Model 1000 APA

SKID MOUNTED SEALER TANK W/HYDRAULIC POWERED AGITATOR & ROPER PUMP

G1730 Model 300 HPS-HRP
G1740 Model 550 HPS-HRP
G1750 Model 1000 HPS-HRP

SKID MOUNTED SEALER TANK WITH HYDRAULIC POWERED AGITATOR

G1670 Model 300 HPA
G1680 Model 550 HPA
G1690 Model 1000 HPA

OPTIONS

G1802 Material Strainer
G1802A Material Basket Strainer - Large or Small
G1802D Air Regulator - For all spray units
G1802E Material Pumps
Graco 1' Model D73666 Huskey 1040
G1802F Seal Kit - For above pump D07666
G1802H Seal Kit - For pump No. D0B666 (for 1 1/2" pump)
G18021 Steel Water Tank - For brush cleaning and storage

Sherwin Industries, Inc.

MILWAUKEE, WISCONSIN

ESTABLISHED 1938



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Good Seal Products

A Division of Sherwin Industries, Incorporated