



**Global Business
SOLUTION**

GLOBAL BUSINESS SOLUTION
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ADVANCE WATERPROOFING & PROTECTION SYSTEM



- **TOTAL WATERPROOFING SOLUTION**
- **ADVANCE REPAIR SYSTEMS**
- **FLOORING & SURFACE FORMATION**
- **SEALING & BOUNDING SYSTEM.**

GBS

**PRODUCT CATALOGUE
2020**



WE DEVELOP QUALITY

& ADDED VALUE

A NETWORK OF TECHNICIANS, CONSULTANTS
AND SALE AGENTS AT YOUR SERVICE

Our aim is to ensure that your work is guaranteed success and finished to highest quality. For this purpose, we offer the services of our expert team to assist and advise you on the best solution for all of your projects.

Our sales network is always available to help you and we will appoint a personal representative qualified to give specific advice at any time.

We offer technical support for all the architects, engineers, technical departments and contractors. You personal advisor will be available to resolve any doubts and assist with the specific needs of your project.

In addition, we will provide all the information, technical specification and certificates for our range of products before , during and after the execution of work.

Our business model, based on research, development, quality and service, has allowed us to operate in accordance with the strictest quality standards of this sector, marking us one of the top supplier on Bangladesh market , with am ever growing and sustained for our product





SELF ADHESIVE MEMBRANE: (SBS Polyester reinforcement)



DESCRIPTION: BITUMAT BITUSEAL 1200 - a widely specified and proven product, used extensively in waterproofing. The nonwoven polyester reinforcement provides additional puncture resistance, tensile strength and tear resistance

ROLL LENGTH: 20mt.

THIKNESS : 1.55mm

WEIGHT 1.5kg/m

RE- INFORCEMENT: 130/140 gsm nonwoven polyester fabric

COVERAGE RATE (Approx.)

Flat areas : 1.12 M²/M² with 10 cms. Side laps and 15 cms. end laps using 20 Mtrs. rolls.

AVARAGE WASTAGE : 3 - 5 %

FIELDS OF APPLICATION: BITUSEAL 1200 is the ideal membrane for damp proofing foundations, bridges, viaducts and tunnels. It is recommended for use under composition shingles and roof tiles, as a protective shield against water and ice. Strips of various widths are used extensively in road design and construction

PROPERTIES & ADVANTAGES: · Self-adhesive, Re-inforced, · Ease of application

TECHNICAL CHARACTERISTICS:

Softening Point , °C- 110 (ASTM D 36)

Penetration, @ 25°C, dmm- (ASTM D 5)

Tensile Strength, N/5cm Longitudinal Transverse- (7.995 N/mm)2 480 (6.39 N/mm)2 -(ASTM D 412;ASTM D 828 UNI 820)

Elongation at break, % >2000 (ASTM D 412(c); DIN 1955)

Tear Resistance, KN/M Longitudinal Transverse: 44.44 (248.58 lbf/in) 50.00 (279.66 lbf/in) (ASTM D 624 D)

Puncture Resistance, Kg 38.67 (ASTM E 154)

Water Absorption, % WT (72 hrs.@ 23°C) <0.08 -(ASTM D 5147)

PACKING: 1M x 20 M IN ROLL (WITH OUTSTDE STRONG CTN)



SELF ADHESIVE MEMBRANE: (SBS, Cross Laminated HDPE Film)



DESCRIPTION BITUSEAL 1500 CLX – MR is a self-adhesive, extremely flexible waterproofing membrane. The elastic self-adhesive, SBS Modified bitumen compound is reinforced with rotproof 50 – 60 GSM Glassfiber matt backed with a Cross Laminated HDPE Film resulting in outstanding physical properties making Bituseal 1500 CLX - MR as one of the most rugged self-adhesive membranes. The advanced carrier film is manufactured by cross laminating and chemically bonding the layer together.

ROLL LENGTH: 20mt.

THIKNESS: 1.6mm

WEIGHT: 1.6kg/m

RE- INFORCEMENT: SBS Modified bitumen compound is reinforced with rotproof 50 – 60 GSM Glassfiber matt backed with a Cross Laminated HDPE Film

COVERAGE RATE (Approx.)

Flat areas : 1.12 M2/M2 with 10 cms. Side laps and 15 cms. end laps using 20 Mtrs. rolls.

AVARAGE WASTAGE: 3 - 5 %

FIELDS OF APPLICATION: BITUSEAL 1500CLX MR is the ideal membrane for damp proofing foundations, bridges, viaducts and tunnels. It is recommended for use under composition shingles and roof tiles, as a protective shield against water and ice. Strips of various widths are used extensively in road design and construction

PROPERTIES & ADVANTAGES: · Self-adhesive, Re-inforced, · Ease of application

TECHNICAL CHARACTERISTICS:

Elongation of Adhesive Compound coating 2000 (ASTM D 882)

Adhesive compound softening point (C) -110 (UEAtc, ASTM D 36)

Tensile Strength Longitudina-35 (N/mm), Transverse 30 (N/mm)- ASTM D 882

Elongation Longitudinal 550 % Transverse 600 % (ASTM D 882)Tear Resistance, KN/M Longitudinal

Tear Strength Longitudinal 180 N/mm, Transverse 190 N/mm (ASTM D 100)

Tear Strength Longitudinal 210 N, Transverse 130 N (ASTM D 514)

Puncture Resistance, 210 N (ASTM E 154)

Resistance to Hydrostatic Pressure 7 bar DIN 1048, (ASTM D5385)

Flexibility at Low Temperature 0 -20 C Pass (UEAtc)

Adhesion Strength to Primed Concrete 2.2 N/mm (ASTM D 1000)

Water Vapour Transmission 2 0.2 gr/m /24hrs (ASTM E 96)

Water Absorption @ 24 hrs. 0.14 % , @ 35 days 0.95 % (ASTM D 570)

Crack bridging ability 2 mm (ASTM C 836)

PACKING: 1M x 20 M IN ROLL (WITH OUTSTDE STRONG CTN)



APP & SBS Waterproof Membrane: Polymer modified



DESCRIPTION TOP SEAL : (Polymer modified Bitumen membrane with Non-woven Polyester) is a finely formulated polymer modified bitumen membrane, consists of non-woven polyester reinforcement impregnated and coated on both sides with polymer modified bitumen

ROLL LENGTH: 10mt.

THIKNESS: 2mm, 3mm, 4mm 5mm

WEIGHT: 3.8kg/m

RE- INFORCEMENT: Non- woven polyester

COVERAGE RATE (Approx.)

Flat areas : 1.15 M²/M² per layer with 10 cms. Side laps and 15 cms. end laps using 10 Mtrs. rolls.

AVARAGE WASTAGE: 3 - 5 %

FIELDS OF APPLICATION: Its ideal for a wide range of waterproofing application including Roof, Terrace Garden, basement, Car parking, Foundation works, Sunken slabs, Tunnels

PROPERTIES & ADVANTAGES: · Excellent cost performance ratio, Easy to install, , Total Impermeability, Good Boundability & seam integrity, Stability at high temperature, Good Flexibility, Compatible with normal roofing & building.

TECHNICAL CHARACTERISTICS:

1. Softening Point ,°C- 150 (ASTM D 36)
2. Penetration, @ 18°C, dmm- (ASTM D 5)
3. Tensile Strength, L/T, N/5cm@23+ 2°C 600/400 (ASTM D 5147)
4. Elongation L/T, % @23+2°C 40/45 (ASTM D 5147)
5. Tear strength L/T, N 300/200 (ASTM-D 5147)
6. Heat Resistance @ 80 °C – No Flow (ASTM D 5147)
7. Cold Flexibility °C 0 to +5 (ASTM D 5147)
8. Lap Joint starezgh L/T, N/5 cm @23+2°C 620/400

PACKING: 1M x 10 M IN ROLL



Bituminous Primer



DESCRIPTION

Hitech Extraseal is an excellent quality universal primer, manufactured from a special type of bitumen. It is solvent based and commonly applied onto various substrates (concrete, concrete blocks, bricks, foam concrete, fiber and steel substrates) to improve bonding of bituminous products. **Hitech Extraseal** is in accordance with **ASTM D 41**. Its recommended to apply at temperatures above 5°C

PROPERTIES & ADVANTAGES

- ◆ Binds dust, which increases its adhesive property.
- ◆ Improves adhesion / bonding of bituminous materials to the substrate.
- ◆ Water-resistant.
- ◆ Corrosion and chemical resistant.
- ◆ Penetrates and seals porous surfaces.
- ◆ Fast drying.
- ◆ Cost effective, no heating, thinning or mixing.
- ◆ Compatible with various substrates and structures.

FIELDS OF APPLICATION:

- ◆ Extra seal primer on roofs and walls made from reinforced concrete, asphalt, bricks, metal and porous substrates before applying any of waterproofing sheet membranes and protective coatings.
- ◆ Single coat protective coating on various construction structures and on metal structures. It can be applied on vertical and horizontal structures..

PACKING: is available in 20-liter pail

COVERAGE AREA: 500 sft



Extruded Polystyrene Thermal Insulation Board (XPS)



It saves up to 35 to 40% on your

DESCRIPTION Bitumat BituTHERM is a thermal insulation Extruded Polystyrene material in form of rigid boards, made of polystyrene, (a derivative of petroleum) by using the extrusion method. The boards have a closedcell structure and therefore they are resistant to water and humidity. They have excellent thermal insulation and compressive strength properties.

PROPERTIES & ADVANTAGES

Heating and cooling account for 50 to 70% of the energy used in an average home. Inadequate insulation and air leakage are leading causes of energy waste in most home. • Reduce the consumption of electrical energy up to 40% during the cooling process Inside the building. • Increases the level of comfort for the inhabitants In a building as It provides a cooler Interior ambience. • The usage of AC Is minimized. This helps to reduce the cost of power consumption

FIELDS OF APPLICATION:

• Flat roofs, either accessible or non-utilizable, as inverted roof construction. • Roof Gardens. • Parking decks. • Exterior walls of buildings insulted on outer surfaces • Below-grade exterior walls of basements (Perimeter insulation). • On-grade floors of buildings. • Cold store Insulations.

SIZE: Standard size L 1250mm x W 600mm also available L 2500mm x W 1200mm

THIKNESS: 25,30,40,50,75,100 mm (Other thicknesses available upon request up to 180 mm)

EDGE PROFILES: Shiplap

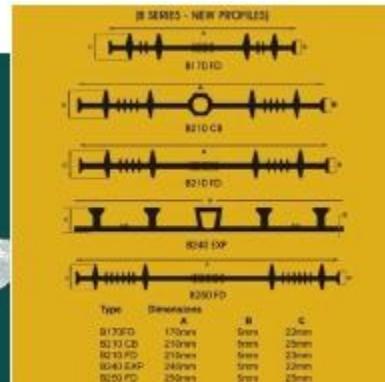
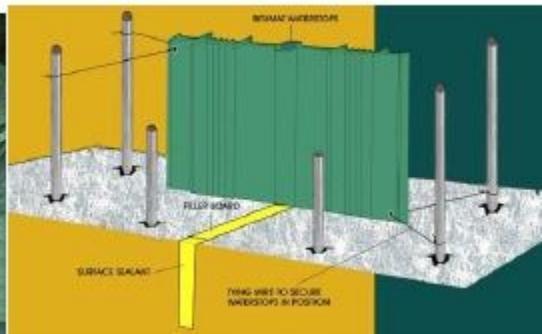
COLOR : GREEN & BLUE, **SURFACE :** SMOOTH

TECHNICAL CHARACTERISTICS:

- Density, min. Kg/m³ - 38-42 (ASTM D 1622)
- Thermal Conductivity (K) "0.026 0.18 (ASTM C 518)
- Compressive Strength at 10% deflection, min "70-100 480-700" (ASTM D 1621)
- Flexural Strength, min "75 517" (ASTM C203, Method I, Procedure B.)
- Water Absorption by Submersion, min. 0.30 ("ASTM D 2842 (+1% By vol. precision))
- Water Vapour Permeance, max 1.10 (ASTM C 355)
- "Dimensional Stability (Change in dimension), max." 2.0 (ASTM D2126)
- Oxygen Index, min. 24.0 (D2863)
- Classification Type VII (ASTM C 578)



PVC WATERSTOPS:



DESCRIPTION Bitumat Waterstops is an internally cast PVC waterstop system manufactured in a range of sizes for use in reinforced concrete structures. It is essential to form a continuous waterstop network at all joints to prevent the ingress of water and it is vital to use factory produced fabrications. Bitumat Waterstops, internal flexible waterstop systems, have been developed for positive embedment in insitu concrete by creating a valve action to seal the water path, suitable for horizontal and vertical application.

FIELDS OF APPLICATION:

- Dams
- Ponds
- Canal lining
- Water cisterns
- Water refining facilities
- Swimming pools
- Deck
- Construction tunnels
- Hydro electricity & thermal plants
- Bridges
- Refining facilities
- Metro constructions
- Power plants viaducts
- Supporting walls
- Flooring settled on ground & foundations
- Industrial structures

TYPICAL JUNCTION PIECES:

Available for Flat Dumbell and Centre Bulb Waterstops. Additional patterns other than those illustrated are available. Non regular design requirements of all types can be met by the supply of irregular L and Y Junction pieces manufactured in the full range of sizes. When ordering specify all the included angle.

- Supply for construction/contraction joints
- Flat Dumbell
- 170mm wide 15m rolls wt 21.9 kg
- 210mm wide 15m rolls wt 27.8 kg
- 250mm wide 15m rolls wt 36.7 kg
- Supply for expansion/movement joints Centre Bulb
- 210mm wide 15m rolls wt 26.9 kg
- 260mm wide 15m rolls wt 38.4 kg

TECHNICAL CHARACTERISTICS:

Bitumat PVC waterstops of the size and dimension specified shall be used to form a continuous network as shown on the detailed drawings and fixed in position with site jointing limited to butt joints, strictly in accordance with the manufacturer's instructions.

- Properties of PVC Compound
- Tensile strength 13.78 N/mm² (2000 psi)
- Elongation at break 300%
- B.S. Softness 45
- Specific Gravity 1.25 - 1.35
- Compound Tested in accordance with BS 2571 and US Corps of Engineers CRD-C572-74.



PREMIUM QUALITY ACRALYC WATERPROOF COATING



DESCRIPTION BITUMAT SYNROOF is a versatile acrylic elastomeric waterproof coating. It cures to a highly flexible, tough, seamless membrane for the protection of all kinds of roofs.

FIELDS OF APPLICATION:

BITUMAT SYNROOF is suitable for application to most types of roofs, flat or pitched eg., concrete, metal, asbestos, wood etc. It also forms a heat and solar reflecting membrane.

PROPERTIES & ADVANTAGES

- Strong and flexible
- Excellent adhesion to substrate.
- Vapour permeable.
- Resistant to aging and UV radiation.
- Designed to be used in the Middle East
- climatic conditions.
- Single pack.
- Labour saving.
- Safe, non-flammable, non-toxic.
- Easy to apply.

COLOURS: Satin white and Grey.

COVERAGE: 1 Sq. mtr/kg to obtain 500 micron dry film thickness.

PACKING: 20 kg. metal pail.

EXPECTED LIFE TIME : 10 years

TECHNICAL CHARACTERISTICS

Solid Contents-60 + 1% (ASTM D 1076)

Viscosity at 25°C, CPS- 40,000 to 55,000 CPS (Brookfield)

PH- 9+1- (In-House Test)

Density, Kg / Lit 1.24 + 0.05 (ASTM D 1475-90/16)

Application Temp. +5 to +100°C

Curing Time at 25°C Around 48 Hours

Tensile Strength 145 N / cm (ASTM D 412)

Elongation at Break 300% (ASTM D 412)



WATERPROOFING ON EXPANSION JOINT & WALL PANEL JOINT TREATMENT



HYPERSEAL®-expert (One component, polyurethane-based, low modulus joint sealant ideal for use in high humidity conditions) is a novel low modulus expansion joint sealant, especially formulated to ensure bubble free cure even at very high temperature and humidity climatic conditions. The product displays excellent thixotropy allowing its use even in very large expansion joints

FIELDS OF APPLICATION:

- Expansion concrete plates, • Precast panels, • Brick and block work, • Water tanks and swimming pools, • Metal frames,
- Aluminum windows and panels, • Irrigation channels • Glass, • Granite & marble

PROPERTIES & ADVANTAGES

- Excellent resistance to water and chemicals.
- Application under water possible.
- Excellent Heat & Chemical Resistance.
- Microorganism and fungus resistant
- Low modulus joint movement accommodation 50%
- Minimum elongation 700%
- Easy gunning.
- Good over paint ability.
- Economy
- Long successful track record in Performance

COLOURS: Grey, Black, Taja.

COVERAGE: Per sealants

- 5mmx5mmX1m- 24 RMT
- 10mmx5mmX1m- 12 RMT
- 10mmx10mmX1m- 6 RMT
- 10mmx15mmX1m- 4 RMT
- 10mmx20mmX1m- 3 RMT
- 10mmx25mmX1m- 2.4 RMT
- 10mmx30mmX1m- 1 RMT
- 15mmx5mmX1m- 8 RMT
- 15mmx10mmX1m- 4 RMT
- 15mmx15mmX1m- 2.6 RMT
- 15mmx20mmX1m- 2 RMT
- 15mmx25mmX1m- 1.6 RMT
- 15mmx30mmX1m- 1.3 RMT
- 20mmx5mmX1m- 6 RMT
- 20mmx10mmX1m- 3 RMT
- 20mmx15mmX1m- 2 RMT
- 20mmx20mmX1m- 1.5 RMT
- 20mmx25mmX1m- 1.2 RMT
- 20mmx30mmX1m- 1 RMT

PACKING: 600cc sausage.

EXPECTED LIFE TIME : 25 years

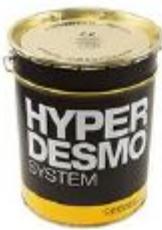
TECHNICAL CHARACTERISTICS:

- Specific weight 1.45 gr/cm3
- Cure Rate 2-3 Mm/day
- Service temperature -40 to 80 oC
- Hardness ±27 Shore
- Elongation >700%
- Resilience >90%
- Adhesion to concrete > 20 (> 2) kg/cm2(N/mm2)



Exposed Polyurethane UV Resistant Membrane (Exposed Polyurethane UV Resistant Membrane)

HYPERDESMO®- CLASSIC



HYPERDESMO®-CLASSIC is a simple and economic solution for waterproofing and protection. It is a one component, low viscosity, polyurethane fluid which cures with the humidity in the atmosphere to produce a highly elastic membrane with strong adhesion to many types of surfaces. It is based on pure elastomeric hydrophobic polyurethane resin plus special inorganic fillers, which result in excellent mechanical, chemical, thermal, UV and natural element resistance properties.

FIELDS OF APPLICATION: Water proofing, Protective coating & flooring- Exposed roof, Concrete, Metal, Gypsum walls, Fiber Cement, Under Tails, Asphalt membrane, Car Parking System.

PROPERTIES & ADVANTAGES

- One component liquid PU
- Weather & UV resistance
- Excellent thermal insulation
- Seamless Flooring
- Applicable on sound substrates
- No toxic after full cure
- Good chemical resistance
- Very simple application
- Safe, non-flammable, non-toxic.
- Easy to repair with least cost

COLOURS: White ,Grey & Taja.

COVERAGE: Apply with brush, roller or airless spraying in two coats with minimum total consumption of 1.2 kg/m²

PACKING: 25 kg. metal pail

EXPECTED LIFE TIME : 25 years

TECHNICAL CHARACTERISTICS (HYPERDESMO CLASSIC)

- 20kg/cm² adhesion.
- Seamless with High Elongation > 300%
- Hardness (Shore A) - > 60
- 40°C to 80 service temperature
- 200°C shock temperature
- 0.8 g/m².h-WV transmission
- 3000 cp to 6000 cp Viscosity
- 55 kg/cm² tensile strength
- 6-12 hrs. recoat time
- Excellent UV & chemical resistance.
- Specific weight – 1.3-1.4
- Strong adhesion to any substrata (>20Kg/Sqcm).
- Very Low water absorption.



NON -EXPOSED TERRACE TREATMENT-

HYPERSEDMO SWR (Polyurethane liquid membrane for waterproofing of wet rooms and non-exposed applications)



HYPERDESMO®-S-WR is a one component polyurethane fluid that cures with the humidity in the atmosphere. It produces a highly elastic, hydrophobic membrane and has been designed to offer excellent long term waterproofing of wet rooms, substructures and any application not exposed to UV. The rheology of the material is such that it allows easy application even on vertical substrates.

FIELDS OF APPLICATION:

Water proofing- Foundation Walls, Wet areas, Sunken areas, Concrete, fibrous cement, mosaic, cement roof tiles, wood, corroded metal, and galvanized steel. Flat roofs, under tile or screed, verandas and balconies (under protection

PROPERTIES & ADVANTAGES

- One component liquid PU
- Highly elastic and durable.
- Resistance to cold: The film remains elastic even down to -40 oC.
- Can be applied on a wet surface.
- No primer required.
- very strong adhesion to the substrate,
- cures with humidity in the atmosphere
- Cures very fast.
- Low water absorption rate.
- high elongation, tensile and tear strength
- Seamless & Water vapor barring

COLOURS: Black.

COVERAGE: Apply with brush, roller or airless spraying in one or two coats with minimum total consumption of 1.5 kg/m²

PACKING: 25 kg. metal pail

EXPECTED LIFE TIME : 25 years

TECHNICAL CHARACTERISTICS (HYPERSEDMO SWR)

- Seamless with Elongation @ 23 oC > 1000
- Hardness (Shore A) - > 60
- -40 to 60 service tempeature
- Specific weight – 1
- 0.8 g/m².h-WV transmission
- 3000 cp to 6000 cp Viscosity



WATERPROOFING + ROOT RESISTANCE.

HYPERDESMO®-PB-2K (Two-component, liquid membrane for waterproofing & protection)



HYPERDESMO®-PB-2K is a fast-curing, two component, bitumen-extended polyurethane fluid. It produces a highly elastic membrane with strong adhesion to many types of surfaces and excellent mechanical and chemical resistance properties. It is based on a pure elastomeric hydrophobic polyurethane resin extended with chemically polymerised virgin bitumen

FIELDS OF APPLICATION:

Water proofing & Protection for Podium, Roof, Roof top Gardens, Flower Pots, Kitchens, Balconies, Verandas, Gypsum & Cement boards, Bridges, Cut over tunnels, Irrigation channels, EPDM Membrane, Non portable tanks, on PU insulation foams, Asphalt sheets.

PROPERTIES & ADVANTAGES

- Seamless with High Elongation > 1000%.
- 2 component, 1:1 by volume – Long Shelf life.
- Inherent Anti root properties for Landscape use.
- Classic polyurethane with polymerized bitumen.
- Self leveling to develop thickness in one coat.
- Crack bridging over any cracks larger than 1mm
- Very low water absorption
- Cures with humidity in the atmosphere
- Strong adhesion to any substrata (>20Kg/Sqcm)
- Good chemical resistance
- Cures very fast.
- Good water vapor barrier properties.
- Can also be used as a joint sealant
- Seamless & Water vapor barring

COLOURS: Black.

COVERAGE: Apply with brush, roller, spatula or airless spraying. Minimum consumption: 1.0-1.5 lt/m².

PACKING: 2x20 lt =40 kg. metal pail

EXPECTED LIFE TIME : 25 years

PRODUCT PROPERTIES (HYPERSEDMO PB 2K)

- Seamless with Elongation @ 23 oC > 1000
- Max. temperature short time 150 °C
- Tensile strength at break @ 23 oC->20 kg/cm²
- Hardness (Shore A) - > 35
- -40 to 80 service temperature
- Specific weight – 1
- 0.8 g/m².h-WV transmission
- 3000 cp to 6000 cp Viscosity
- H₂O absorption (10 days) < 0.9%



STP, TANKS CARRYING CHEMICALS, EFFLUENT TREATMENT TANKS, STADIUM STANDS, INDUSTRIAL FLOORING & CAR PARKING SOLUTION

HYPERDESMO D 2K (Two-Component, Moderately Elastic Polyurethane Paint for Sealing)



HYPERDESMO®-D-2K is a two-component, solvent-free polyurethane fluid. It produces a strong membrane of moderate elasticity with outstanding adhesion to many types of surfaces. It is based on pure hydrophobic polyurethane resin plus special inorganic fillers, which result in excellent abrasion and chemical resistance properties.

FIELDS OF APPLICATION:

Water proofing & Protection Stp, Tanks Carrying Chemicals, Effluent Treatment Tanks, Stadium Stands, Industrial floor, Car parking

PROPERTIES & ADVANTAGES

- 2 component, solvent free liquid PU
- Very hard & Moderate elastic
- Cures with the help of moisture
- Outstanding mechanical property
- Never turns soft up to 90°C
- Good abrasion restraint
- Adhesion to any hard substrates
- Strong adhesion to any substrata (>20Kg/Sqcm)
- Good chemical resistanc Cures very fast.
- Excellent chemical resistant

COLOURS: Gray or As per customer requir color (if project is more then 50000 sft).

COVERAGE: Minimum total consumption: 0.3-0.5 kg/m²

PACKING: 15 kg (10+5) metal pail

EXPECTED LIFE TIME : 25 years

PRODUCT PROPERTIES (HYPERSEDMO PB 2K)

- Tack free time,@77 oF(25oC)& RH 55% -2- 4 hours
- Pot life @ 25 oC & RH 55% -20 min
- Tensile strength at break @ 23 oC->30 kg/cm²
- Hardness (Shore A) - > 60
- 0.8 g/m².h-WV transmission
- 2500 cp Viscosity
- Tack free time, @ 77 oF (25 oC) & RH 55% - 2- 4hours
- 40 to 90 service tempeature

CHEMICAL RESISTANCE : Acetic acid, Acetone, Alcohol, Ammonia, Chloride, Chloride acid, Citric acid, Distilled water, Ethyl, glycol acetate, Fatty acids, Gasolin, Hydrogen peroxide, Lactic acid, Methylene chloride, Nitric acid, Potassium hydroxid, Sea water, Sodium hydroxid, Sodium hypochlorite, Sugar, Sulfuric acid, Tannic acid, Xylene



WATERFOAM PU INJECTION RESIN:

(Flexible polyurethane foam, one component, Low Viscosity, Injection resin)

WATERFOAM™-1K-LV is a one component polyurethane, hydrophobic resin, which reacts with water to produce a flexible grout suitable for waterproofing and sealing cracks and joints of concrete surfaces, and for effectively stopping water leaks. Application is by one component injection pump



FIELDS OF APPLICATION:

Stopping water leaks in such structures as: • Foundations, • below-grade structures, e.g. garages, • tunnels & underpasses, • sewage systems, • tanks, • waterways & dams • Soil stabilization • Subway(Metro) • Brick construction • Pipe intrusions • Limestone • Concrete joints

PROPERTIES & ADVANTAGES

- Effective sealer of cracks & voids in concrete, especially in joints.
- Of low viscosity: Deep penetration with minimal pressure.
- Produces a flexible & completely hydrophobic foam.
- Easy to apply: One component with a very reasonable pot-life.
- Highly resistant to fungi and other microorganisms.
- Friendly to the user and the environment: Contains no solvents or propellant gasses – safe to store, transport and use.

PACKING: 10kg or 20kg pail

PRODUCT PROPERTIES

- Form- yellowish liquid
- Viscosity (Brookfield) 350-450 cP
- Specific weight 1.05 gr/cm³
- Flash point > 110 oC
- Max Expansion 30 times
- Induction Time, 20°C/68°F 15 sec
- Gel Time, 20°C/68°F 65 sec
- Strength 2 N/mm²
- Chemical Resistance Resistant to most organic Solvent, Mild Acids, Alkali.



Low Viscosity Dry Epoxy resin:

Low Viscous Epoxy injection agent to be injected in cracks for retaining the strength of the cracked concrete section to its original strength. Cracks (between 0.12mm to 1mm) can be injected with Low Viscous Epoxy resin.



FIELDS OF APPLICATION:

- Crack repair or steel plate reinforcement
- Bird-caged floor (artificial stone or marble) repair and reinforcement
- To be injected by using syringe injectors, injection pumps

PROPERTIES & ADVANTAGES

- To easily inject by crack width, it is divided into the ultra-low viscosity product, the low viscosity product, the mid-viscosity product and the high viscosity product.
- To control the curing speed, it is divided into the summer product, the spring and fall product and the winter product. Its curing speed can be controlled by the user's requirement.
- When fully hardened after injected, it does not chemically affect the concrete structure and it prevents corrosion on it so highly durable

PACKING: base agent (10kg) : curing agent (5kg)

PRODUCT PROPERTIES

Mixing Ratio (Base Agent: Curing Agent)	:	2:1 (Weight Ratio)
Pot Life (25 °C)	:	30-50 min
Curing Time (25 °C)	:	After 24 hrs
Viscosity (mPa-s)	:	210
Specific Gravity	:	1.18
Tensile strength	:	56 N/mm ² (KS F 4923)
Adherence strength	:	7.5 N/mm ² (KS F 4923)
Injecting Tool	:	Injector, Grease Gun, Injection pump
Theoretical Consumption:		Width 0.3mm x Thickness 300mm 0.15kg/m (Differ according to site condition)



Waterplug Stop Water Leaks

CRM-120 is extra-rapid cement for sealing water leaks. It can be also used for fast repair in very small areas.



FIELDS OF APPLICATION:

- For very rapid sealing work concrete
- For stopping water leaks.
- For sealing ruptured waterpipes.
- For fast repair in small areas.

PROPERTIES & ADVANTAGES

- Waterproof
- Very rapid hardening
- Sealing water leaks in approx. 2-3 min
- Chloride-free
- Volume-stable
- Easy to use
- easy to mix
- just add to water
- Very fast setting with rapid strength development
- Permanent
- Good adhesion
- Excellent water-stopping power and hydraulic resistance
- No cracking
- Will not cause corrosion to steel bars
- Non-toxic after hardening

PACKING: 10kg pail

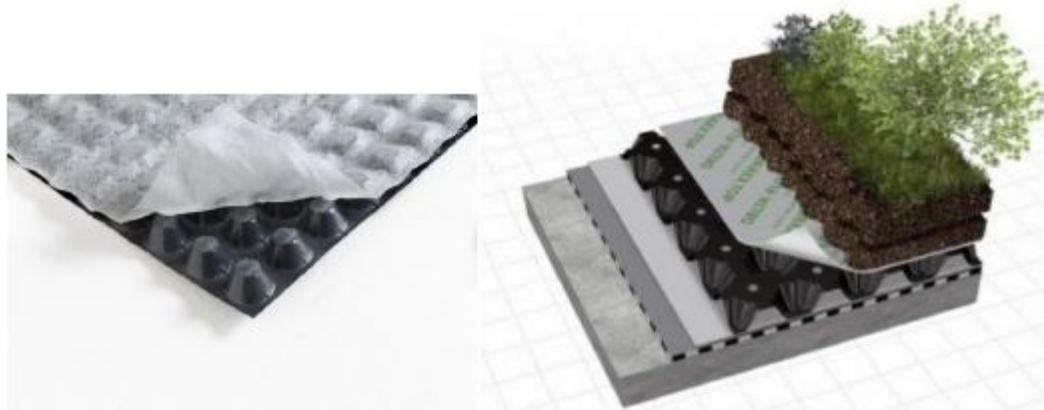
PRODUCT PROPERTIES:

Base	:	Combination of special cements and additives.
Powder density	:	approx. 1.3 kg/l
Application time	:	approx. 1 min
Application temperature:		5°C to 40°C
Mix proportions	:	approx. 0.3kg water for 1kg
Compressive strength	:	after 6 hours ≥ 12.5 N/mm ² after 24 hours ≥ 18.0 N/mm ² after 28 days ≥ 35.0 N/mm ²
Bending tension strength:		after 6 hours ≥ 2 N/mm ² after 24 hours ≥ 3 N/mm ² after 28 days ≥ 8 N/mm ²
Amount required	:	approx. 1.5kg/l cavity volume



External Drainage Membrane suitable for Green Roofs

HI- G DRAIN Top is the optimum solution for flat roofs which are to be extensively planted with greenery that does not need much care. This sheet amalgamates the functions of filtration, water storage, and high-performance drainage! Its octagonal dimples additionally reinforced by ribs make it unusually compression-resistant, so that it will sustain even heavy loads safely. It provides an extremely serviceable and economical foundation for green roofs



Advantages:

- High mechanical protection of bituminous membranes or synthetic membrane
- High drainage capacity
- Filter layer
- Resistant to all natural aggressive mediums in ground water and soil
- Suitable for contact with soft water (aggressive to concrete)
- Can be installed on damp and wet substrates
- HI- G DRAIN forms a hollow space between the structural
- Innovative octagonal dimples for outstanding compressive strength
- One sheet for drainage,
- Water storage, and filtration
- Easy and quick to lay out straight from the roll

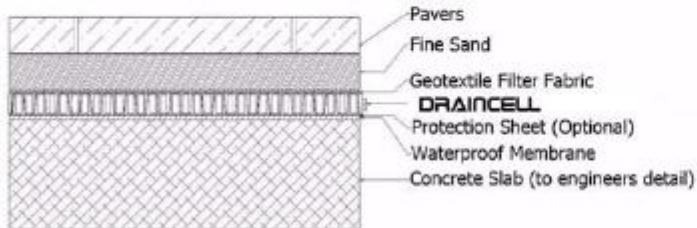
Application Details : Surface clearing ≥ apply PU primer ≥ apply bituminous PU coating ≥ HI- G DRAIN with geotextiles ≥ sea sand

HI- G DRAIN :Dimpled membrane sheet with filter in (PP) bonded on top for drainage of roofs, podiums and foundations, its Drainage-Mechanical protection of waterproofing.

Raw material: PP Weight: g/m² **100**, Thickness: 1.2mm , roll size 2.4X20m= 48sqm, Water flow rate 6 ltr/sqm



DRAINSEL – SHEET MEMBRANE



Paver Deck Installation

Drain Cell is installed directly onto the waterproofing Membrane, covered with geotextile filter fabric before adding the soil media and planting.

The compact modules permit greater soil depths resulting in the use of a wider variety of landscape plants.

Subsoil modules are able to withstand pedestrian and light vehicular traffic loads and also serve to protect the waterproofing membrane.

FIELDS OF APPLICATION:

Celluer drain, Drano mat, Sub soil drainage cell, Drainage cell, Sub soil drainage cell, Water management component, Terrace and roof gardens, Landscape, Decks, Podium , Planter system, Sports & Golf corses, Floriculture and agric Horti culture etc.

FEATURES : • Cost Effective • Classy Design • Elegant Look

SIZE : 500mm (w) X 500mm (L) X 20mm, OR 325mmX325mmX25mm

MATERIAL : Poly Propylene .

COMPRESIVE STRENGTH : 100 tn/m².

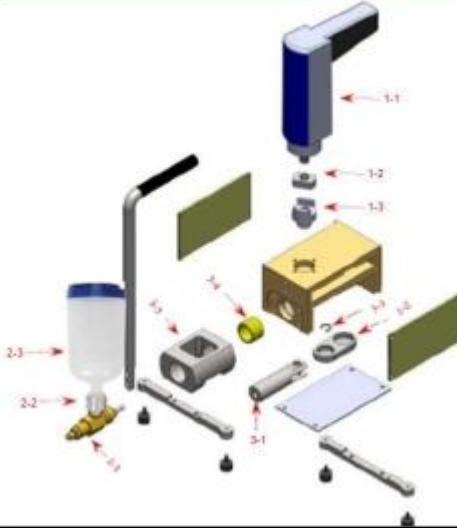
COLOUR : Black.

PACKING: 20pcs/bundle (20pcs is 2.11 sq.m)



Injection Pump

High pressure Grouting Injection pump for Epoxy resin and Polyurethane foam Electric Drill operated (Makita drill Model HP1630k & HP2070F) High pressure 610-1,000 kgf/cm² grouting injection pump

	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9e1f2;">SPECIFICATIONS</th> <th style="background-color: #d9e1f2;">CY-1000</th> </tr> </thead> <tbody> <tr> <td>Transmission Function</td> <td>1-speed</td> </tr> <tr> <td>Power Consumption</td> <td>AC220V. 710W</td> </tr> <tr> <td>Maximum Pressure</td> <td>610kgf/cm²</td> </tr> <tr> <td>Recommended Pressure</td> <td>300-500</td> </tr> <tr> <td>Max. Flow Rate</td> <td>400cc/min</td> </tr> <tr> <td>Weight</td> <td>6kg</td> </tr> <tr> <td>Unit Composition</td> <td>Same as pictures</td> </tr> </tbody> </table>		SPECIFICATIONS	CY-1000	Transmission Function	1-speed	Power Consumption	AC220V. 710W	Maximum Pressure	610kgf/cm ²	Recommended Pressure	300-500	Max. Flow Rate	400cc/min	Weight	6kg	Unit Composition	Same as pictures
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* When you need spare parts, Pls. contact us with part number. WAHID 01916822106

Features

- Very simple to operate.
- Easy to carry in narrow and small space because its light weight & compact design.
- Easy to exchange piston.
- Low maintenance cost and Easy to clean after use



Global Business
SOLUTION

GLOBAL BUSINESS SOLUTION
(2ndFloor) NAWABPUR TOWER MARKET, • 198-202, NAWABPUR ROAD, • DHAKA-1100
Tel: 02-57164405 • Mobile-01916822106 • <http://globalbusinessbd.com> • wahidgbs@gmail.com



Parts & Accessories



* When you need spare parts, Pls. contact us with part number. WAHID 01916822106 or
email : wahidgbs@gmail.com

Injection Packer



It is expendable tools for using to inject Polyurethane and Epoxy into concrete cracks. The packers bear up against high pressure, have strong durability, and were designed for easy installation and easy removal. Also, we keep stock all sizes which are able to cover whole construction industry.

Packer sizes	
8Ø X 55mm	
10Ø X 60mm	10Ø X 100mm
13Ø X 70mm	13Ø X 120mm
14Ø X 70mm	14Ø X 120mm

Users can extend packer's length by adding Aluminum body.

SYRINGE INJECTOR

Specifications	
Filling Capacity	50 ml/cc
Max. Pressure	3.0 kgf/cm ²
Max. Length	225mm
Min. Length	147mm
Weight	40g



Features

- The Transparent syringe allows you to observe the injected dosage.
- It is designed for low pressure injection.
- It is used for injecting epoxy into small cracks at large area.
- Crack repair work is possible without breaking or destroying the concrete structure.



CARBON FIBER

Advanced Reinforcement Solution

It is cutting edge new material for loadbearing capacity improvement and seismic retrofit, and have very strong tensile strength than steel, and have been used for repair and reinforcement of concrete structure since 1990s. Specially quake-prone countries like Japan have used carbon fibers lately and largely.



Features

- High reinforcement with more than 10 times tensile strength than steel
- Reinforcement with the less quantity than steel.
- Light weight : specific gravity is one-fifth of steel
- No deterioration by external factors like water, base, acid or ultraviolet rays
- Easy to work in small place because whole process by using hand
- Site workability is outstanding

Technical & Physical Data

item	CU-P200	CU-P300	CU-P400	CU-P600
Fiber Areal Weight(g/m ²)	200	300	400	600
Design Thickness(mm)	0.11	0.167	0.22	0.33
Tensile strength (kgf/cmW)	390	590	780	900
Sheet width(mm)/length(m)	500/100	500/100	500/100	500/100



GBS-8000

Operation Manual Airless Sprayer



You can interchange power with 2HP explosion proofed type electric motor so conveniently.



Model	YH-8000	
Description	Engine	Motor
Power requirement (HP)	5.5	2(220V.60Hz)
Free - Flow output (lpm)	6.5	4
Max. working Pressure (kg/cm ²)	248	225
Max. tip size	1gun, .036" 4guns, .019"	1gun, .031" 4guns, .021"
Hose Length (Max.)	150M	
Weight(Net)	58kg	63kg
Dimension(mm)	910 x 600 x 1,000	910 x 600 x 1,000

GBS-24

MEGA POWER FLOOR GRINDER



Specification

Overall Size	55 x 135 x 110 cm
Grinding Width	550 mm (22 inch)
Weight	106 kg
Power	2.6kw / 3HP
Voltage	220V/50Hz single phase 3HP
Performance	Max 200m ² /HR



ABOUT US:

Company Name : Global Business Solution

Sale & Reg. Office: Room No: 311, Nawabpur Tower Market, 198-202, Nawabpur Road, Dhaka.

Contant No: 88-02-57164405, Mobile: 01916822106

Email: wahidgbs@gmail.com web side: www.globalbusinessbd.com

Proprietor: Md. Wahidur Nobi

Main Contact Person:

Mr. Tauhidul Islam (Accounts & Admin)

01717334902, 01613239090 email: tauhidgbs@gmail.com

Engr. Rajib Roy (Divisional In Charge)

01937-111144

email: rajibgbs20@gmail.com

Md. Asreaf Ul Karim (shuvo) – (Marketing Manager)

019175062384

email:

shuvogbs@gmail.com

Imrul Hassan Sajal (Manager Project)

01613239083

email: imrulgbs@gmail.com

Main Business : All Kind of waterproofing material , Constriction Chemical, Industrial Waterproofing.

Year of Establishment: 2004

Trade License No: 19380138214

Tin No: 19380138214 **BIN No :** 000322851

Bank: Islami Bank Ltd, Ab Bank, IFIC bank, Jumana Bank, City Bank.

Man Power: Admin & Accounts: 05, Marketing & admin: 10 , Application team :30.

Greetings from GBS!

We would like you to introduce ourselves as an Building construction chemical & waterproofing product supplier, experienced and professional waterproofing company having well experience in all kind of waterproofing solution sector in Bangladesh. GBS Being a dynamic organization, it has increased its business to a very high altitude. As the principle objective is to satisfy the customer, it has spread its business, in most of the district of Bangladesh, on the strength of its high quality and service.

Our Service & solution:

Basement Water proofing treatment

Roof Waterproofing Treatment

Super Structure waterproofing treatment

Podium -slab & roof slab waterproofing treatment

Wet area waterproofing treatment

Underground sump & over head tanks waterproofing

Sewage & lift pit waterproofing

Expansion joints waterproofing

Industrial, sports, Carparking flooring solution

Exposed terrance waterproofing treatment

Non moving crack treatment

Pu fome grouting to arrest active leakage

Crystalline admix & Coating

Self Adhesive & torch apply membrane supply

Glass fibef mash , Landscaping , Geo Textiles supply

Waterstooper , Thermal insulation supply

Floor harden & non shink grout

Anti rush clearing service

We are not only provide solutions, but also ensure quality guarantee. We use world most trusted building chemicals by we can provide 25 years service warranty for our all service. GBS has experienced engineers, appellants, and technicians, who are directly solved by solving problems of home, factory or building.

Our project :

1. Tiger House, Chittagong Cantonment, Chittagong – 6000 sft
2. Chittagong wasa basement- 50000 sft – under Jamal & co.
3. Wasa Residential Gulshan -02 basement– 50000 sft
4. Mirpur -16 – Basement -30000 sft- under Hassan & sons
5. PWD jassore residential basement– 50,000 sft
6. PWD – Ajimpur residential basement – 40,000 sft
7. Equity Well City Center basement 12000 sft
8. ANZ properties – Silverlake H#304, Rd# 119 Gulshan – roof 3000 sft
9. CPDL – popular diagnostic Center basement 8000 sft
10. CPDL – Celine- 8, Mahedibag, Roof 4000 sft –
11. Police Commissioner Chittagong residence – Roof – 3000 sft
12. S. Alam International Hospital basement 38000 sft
13. World Bank, Bangladesh 37800 sft
14. Bangabandu Military Museum, Bejoy Shironi, Dhaka.
15. Hotel intercontinental, 1, Minto Road Dhaka- 100000 sft,
16. Incepta Pharmaceuticals Ltd, Zirabo, Shavar.
17. Concord – SMC tower project
18. Desh Unnayan ltd, - Uttara Apartment building Project.
19. PCP-Dhankhali Union, Londa Kheya Ghat, Kolapara, Payra, Potuakhali
20. MHB-Manikgonj Hospital Building, Gorpara, Manikgonj.
21. Imperial Hospital,Chittagong
22. Rajuk uttara apartment Building Project, Uttara, Dhaka.
23. PWD wood workshop Cumpus, Mirpur -6, Dhaka.
24. Khulna Combine Cycle, Khalispur, Khulna- 80,000sft
25. Franco Germa Enmbass Park R oad Natu Bazar, Baridha Dhaka- 5000 sft.
26. Muktishoroni Shopping Mall, at Chittagong Road. Narayangong.
27. KUSHIARA POWER COMPANY LTD.(KPCL)
28. New hope China project, Kadnia Jomunar par, Fulbaria, Maymansing-25000 sft
29. Basement Building –D, AIUB Permanent Campus project, Kurial, Kuratoli- 107,000 sft
30. Sheik Hasina National inst. Of Burn & Plastic surgery Dhaka-120,000sft
31. New Hope China Project, Kadnia , Jamunar par, Fulbaria, Maymansing 25000sft.
32. Fanchugong power plant,s- 45,000sqf
33. Malak Spinning Mills- 80000sqf.
34. Snotex Apparels, Snowtex Outerwear Ltd. B-65/3,Lakuria Para Dhulivita, Dhamrai ,Dhaka,Bangladesh , 75000 sqf.
35. Shamsuddin Meaha Associate- Dhaka cantonment Project-120000SQF
36. Dhaka Wasa- Genetor Division Mirpur-1, Bangla College 1500SQF
37. Dhaka City Corporation – Rasulpur Cuminuty center, KamraingerChor.-2000SQF
38. Royal Embassy of KSA, Baridhara, Dhaka. 1,32,000 SFT
39. British Embassy (AJAX) DFID Project Baridhara. 3,500
40. Godrej security Equipment: 1200 SQF Gaint Business Tower – Uttra,-2000SQF
41. Liuan Fung project, GBT Tower, Uttora, Dhaka. 1,800 SFT.
42. 10 Fanchugong fertilizer plant 3000sqm.

Successfully used in Projects For:



Royal Embassy OF KSA, Dhaka.



IMPERIAL HOSPITAL LIMITED



MEGHNA
GROUP
OF
INDUSTRIES



GBS - In Expro



Our Some Projects



GOVERNMENT UTTARA HOUSING PROJECT



N. Mohammed Spening Mill



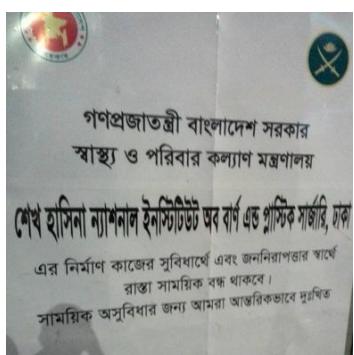
SAUDI EMBASSY DHAKA PROJECT



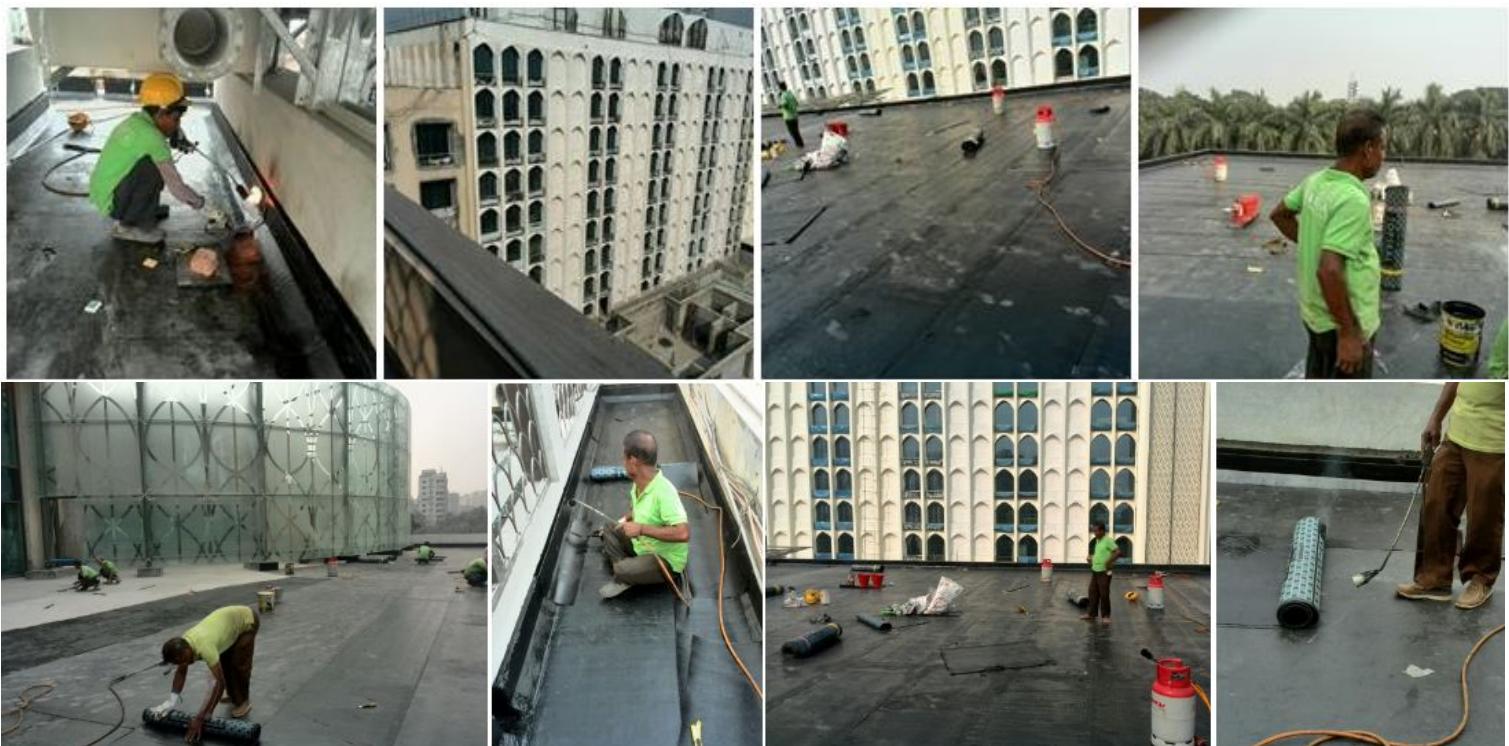
Dhaka City corporation -Ujirpur, karinigong.



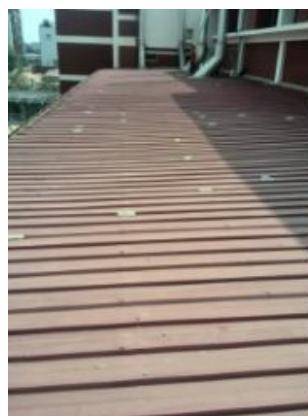
Government Housing Mirpur, Kalshi, Project.



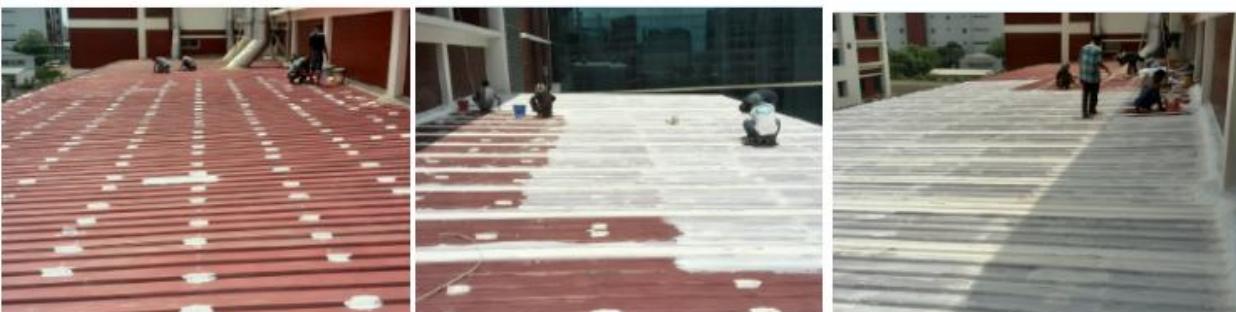
Shaik Institution of Bearn & Plastic surgery project



Hotel Intercontinental Dhaka.



Incepta Pharmaceuticals Ltd.





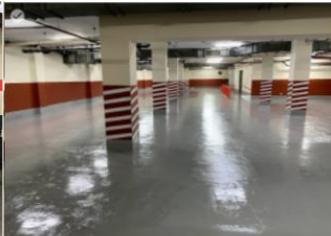
Government Housing Mirpur- 06 – Project

American International University



Dhaka wasa Office & Residence

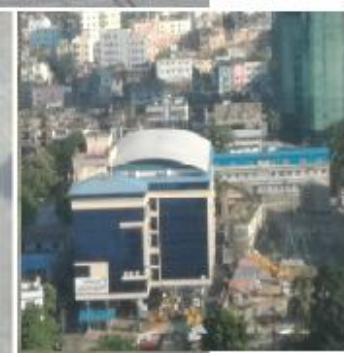
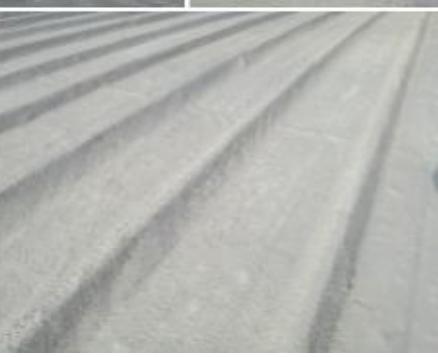




World Bank , Bangladesh.



SBS Secretary apartment building, New Eskaton



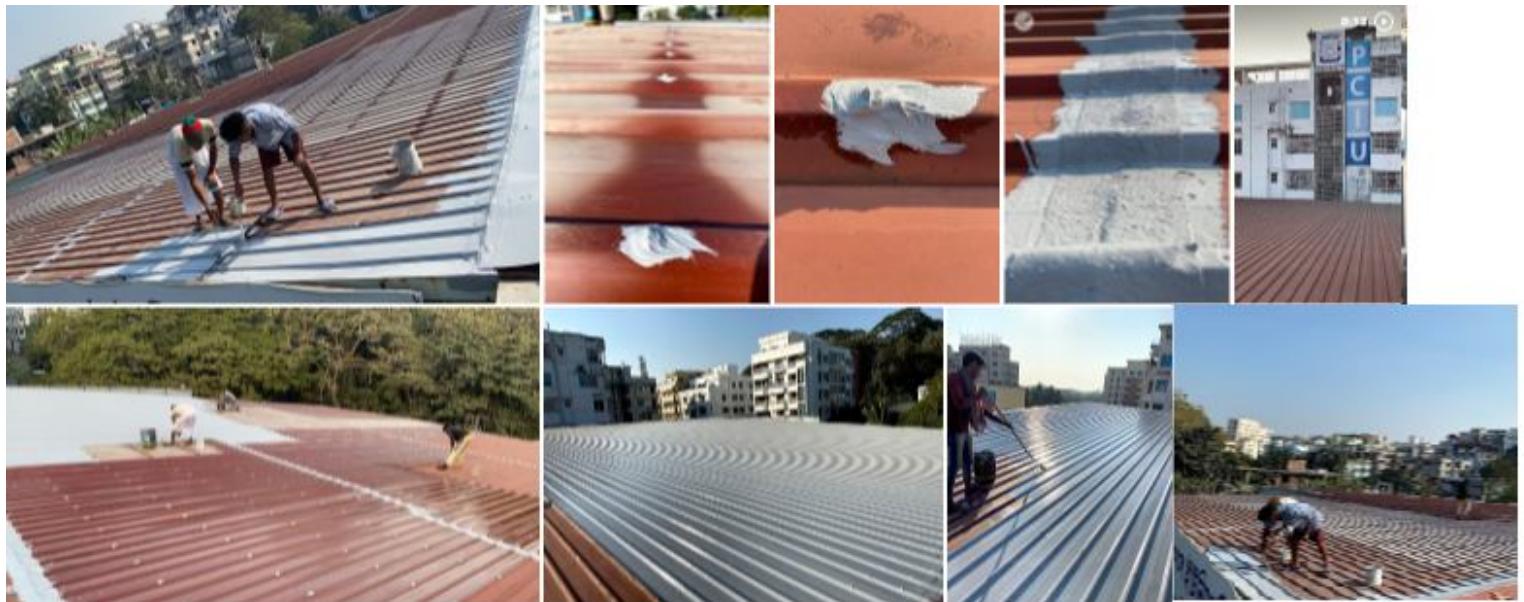
Primer University, Chittagong.



AIUB University,



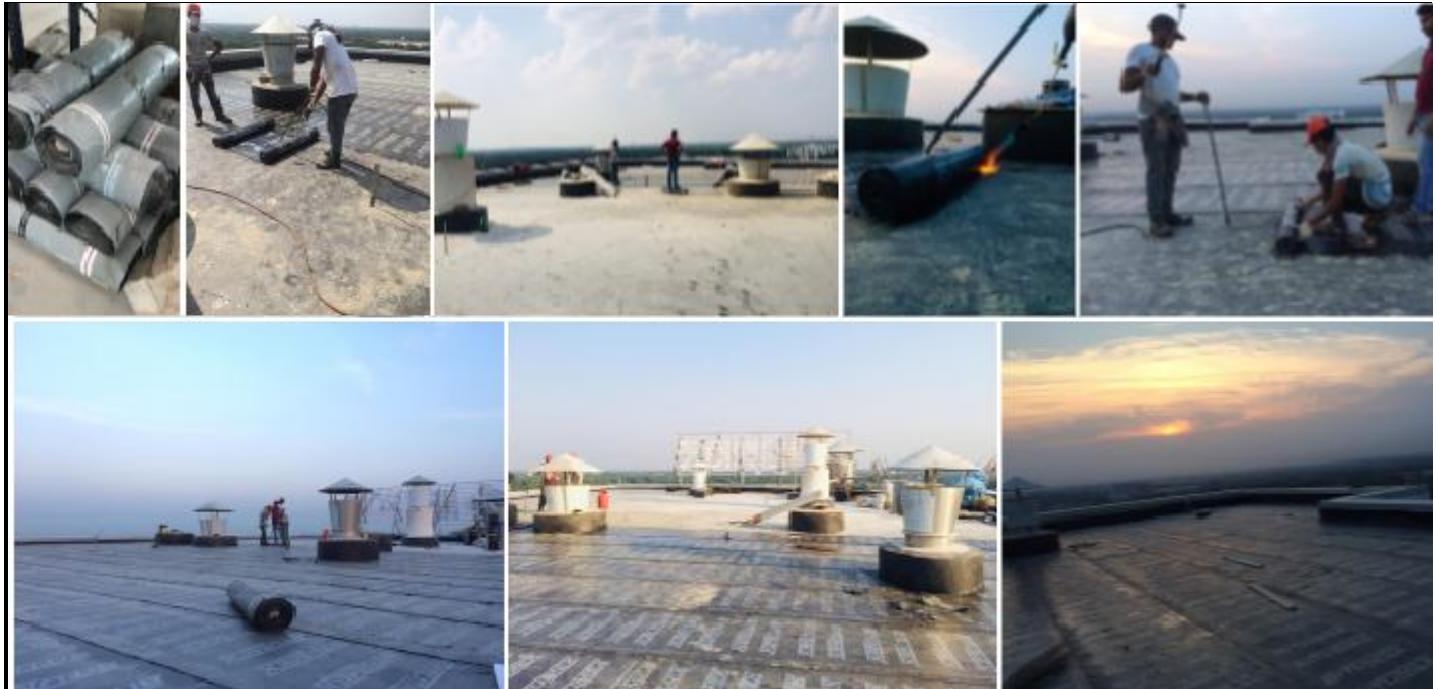
PU injection Grouting , At, Denhim Garments.



Port City University , Chittagomg,



Police Commissioner Residence , Chittagomg,



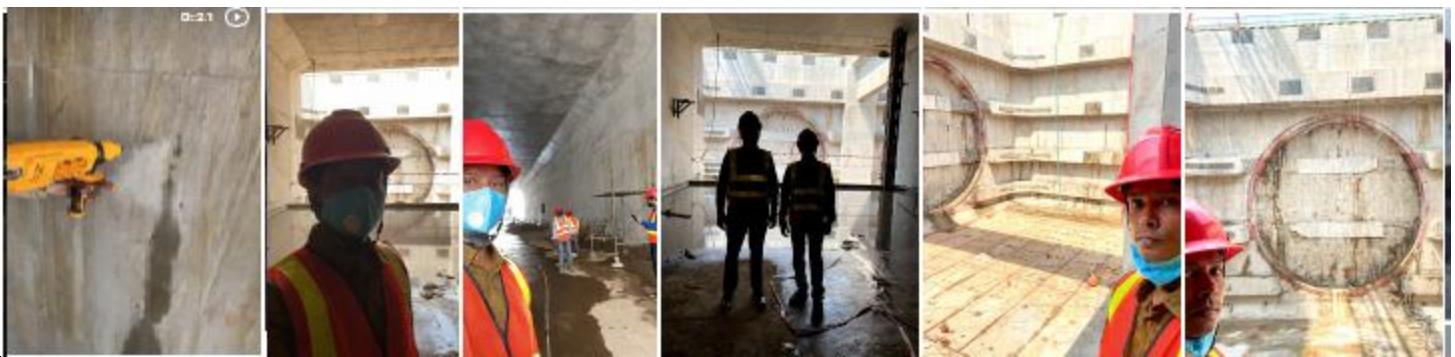
New Hope china project,



Privet residenzial project,



Restaurant at sajeck at khagrachori,



Karnofuly Trranel at Chittagong.



ANZ properties – Silverlake, Gulshan.



CPDL – Celine- 8, Mahedibag.



Tiger House, Chittagong Cantonment.



Mirpur -16 – Basement

Our product in Stock

