EVER-SILIC® LS

ELASTOMERIC SILICONE TOPCOAT

TECHNICAL DATA SHEET

EVER-SILIC® LS is a single-component, moisture cured,elastomeric silicone topcoat specifically designed to protect construction wall surfaces from the effects of weather, chemicals, andmoisture. Its outstanding features include high solids content, rapid cure and superior physical properties.

FEATURES AND BENEFITS

- Shortened dry time performance.
- Excellent adhesion to polyurethane foam and other roofing membranes.
- Retains flexibility and membrane integrity from -80°F to +250°F.

TYPICAL USES

EVER-SILIC LS provides a durable elastomeric protective coating over sprayed polyurethane roof foam insulation. It can be used by itself as a complete protective coating membrane or as a basecoat with a contrasting-colored topcoat. Superior abrasion resistance is achieved with the addition of ceramic roofing granules embedded into the coating surface.

PRIMER

No primer is necessary over urethane foam or silicone. Consult manufacturer for application to other surfaces.

STANDARD COLORS

White, Light Grey

BUILDING AND FIRE CODES:

EVER-SILIC LS is listed and classified by Underwriters Laboratories Inc. UL 790 Class A as an integral component of numerous roof deck assemblies (File #14330). It is also listed and approved by the California State Fire Marshall.

ADHESION:

EVER-SILIC LS adheres to properly prepared construction roof membrane surfaces, including spray-applied polyurethane or polyisocyanurate foam insulation. It can be re-coated when cured sufficiently to allow light foot traffic, or after 7 to 10 days between coats.

WEATHERING AND ULTRA-VIOLET RESISTANCE:

EVER-SILIC LS has excellent appearance and good flexibility with no checking, cracking or significant discoloration after 8,000 hours of accelerated weathering exposure in an Atlas carbon arc weatherometer according to ASTM D-822. It also has excellent heat resistance to 250°F, good salt, acid and solvent resistance, and moderate alkali resistance.

NOMINAL PROPERTIES		
PHYSICAL PROPERTY	**TEST METHOD**	**VALUE**
Dry Time	75°F, 50% RH	>3 hours
Dry Time w/Accelerator Pkg.	75°F, 50% RH	>2 hours
Weathering QUV 10,000 hours	ASTM D-822	No Degradation
Elongation	ASTM D-412	225% ± 15
Tennsile Strength (Die C)	ASTM D-412	500 psi ± 25
Permanent Set at Break	ASTM D-412	1.0%
Permanent Change - Heat Aged	ASTM D-412	0%
Tension Set @ 100%	ASTM D-412	0%
Water Absorption	ASTM D-570	0.2
Durometer Hardness: Shore A	ASTM D-2240	45-55
Permeability (U.S. perms)	ASTM E-96	2.0
Tear Strength	ASTM D-624	45 lbs.in
LIQUID PROPERTIES	**TEST METHOD**	**VALUE**
Solids by Weight	ASTM D-2697	78± 2%
Solids by Volume	ASTM D-56	66± 2%

CRRC COOL ROOF RATING COUNCIL SM

	Initial	Weathered
Solar Reflectance	.87	.63
Thermal Emittance	.89	.90
Rated Product ID		0684-0008
Licensed Manufacturer ID		0684
Classification		Silicone Coating

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

APPLICATION:

EVER-SILIC LS is designed to be applied through high pressure airless spray equipment and only by professional applicators. Its theoretical dry film thickness is 10.5 mils when applied at 1 gallon per 100 square feet. The minimum recommended thickness when used as a protective membrane over polyurethane foam is 24 dry mils.

Consult EVERROOF for specific application requirements and end uses.

EVERROOF™

SHELF LIFE

6 months from the date of manufacture when stored in original unopened containers at temperatures between 32°F and 100°F.

SAFETY, HEALTH & TOXICITY DATA

PROTECTIVE EQUIPMENT: Since the coating is atomized into a very fine particle distribution during spray application, it is essential that

maximum effort is made to protect the spray applicant and others near the workplace from undue exposure. This product coating contains

polymeric isocyanate (MDI) and as such can be very sensitizing, particularly from vapor inhalation. Some other ingredients in the coating may be

sensitizing upon skin contact or eye contact.

CONDITIONS TO AVOID: Avoid open flame or spark sources. Avoid excess heat. Vapors are heavier than air and may travel along the ground or

may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or other ignition sources at

locations distant from the material handling point. Never use welding or cutting torch on or near drum (even if empty) because product (residue is

sufficient hazard) can ignite explosively. In case of fire, use CO2, steam, dry chemicals, or water fog. Do not use water.

TOXICITY: Contains solvents which require normal precautions in handling materials of this type. Part “A” contains diisocyanate which can be toxic

if inhaled as particulate matter.

VAPOR INHALATION: The recommended form of protection against isocyanate or other potentially sensitizing vapors in the workplace is a fresh

air supply. Numerous manufacturers, including the 3M Company and MSA, make full-face fresh air masks. For maximum protection, we

recommend use of a NIOSH/MESA approved self-contained breathing apparatus with a full-face piece operated in a positive pressure mode. In

well-ventilated application conditions, the use of Type C organic vapor cartridge respirators maybe acceptable. Effects of overexposure to vapor

are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, unconsciousness, or even asphyxiation. If ingested and

victim is conscious, give large amounts of water or milk to drink. Obtain medical attention immediately.

SKIN AND EYE CONTACT: To prevent skin contact with the sprayed product, we recommend the use of fabric coveralls and neoprene or other

chemically resistant gloves. Skin contact with liquid components can result in a rash or other irritation. Wash any affected skin area with water.

Wipe residual from the skin with a clean cloth, then wipe affected area with a 30% solution of rubbing alcohol. Follow the alcohol wipe with

repeated washings with soap and water. If a rash or other irritation develops, see a physician.

Wear a full-face mask or OSHA-approved protective goggles. Eye contact with liquid or spray components can result in corneal burns or abrasions.

Upon exposure, eyes should be flushed with water for an extensive period. Summon emergency trained medical attention immediately.

FLAMMABILITY

Flash point is 115° F. Avoid open flame or spark sources. Avoid excessive heat. Vapors are heavier than air and may travel along the ground or

may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other ignition sources at locations

distant from the material-handling point. Never use a welding or cutting torch on or near the drum. In case of fire, use CO2, steam, dry chemicals

or water fog.

** This information is intended only as a guide for design purposes. The values shown are the average values obtained from sprayed laboratory*

samples. The test methods were performed per the ASTM Book of Standards. Higher or lower temperature & humidity conditions will affect dry time.

The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform