

PRODUCT DESCRIPTION

SOLARGARD® 6083 is for the waterproofing and weatherproofing of various roof surfaces. SOLARGARD® 6083 provides durability, low temperature flexibility, and excellent resistance to weathering and dirt pick-up. SOLARGARD® 6083 is available in white, standard, and custom colours. This elastomeric roof coating is formulated to meet and/or exceed the standards as established in ASTM D 6083.

BASIC USES

SOLARGARD® 6083 waterproofs and weatherproofs metal, weathered single ply membranes as well as smooth surface asphalt built-up and modified bitumen roofing substrates. It can also be used on Concrete, Cementitious and Metal Surfaces as a heat reducing and carbonation resistant coating.

FEATURES AND BENEFITS

- Single component, No blending of multi-components
- Versatile, Suitable for use over most substrates/roof types
- Reflective top coat lowers surface temperatures, Increases roof life, lowers energy costs
- Resistant to biological attack, Prevents degradation due to algae and other microorganisms
- SOLARGARD® 6083 provides ease of application
- Meets or exceeds all of the performance requirements of the ASTM D 6083 acrylic roof coating specification.

AVAILABILITY

Please contact Tremco India Pvt. Ltd. for your project requirements.

PACKAGING

18.9-L pails

Colours: High Gloss White, ask us for options.

SHELF LIFE & STORAGE

Protect from moisture. Store in shade, below 43°C. Shelf life is 9 months when stored in unopened packaging.

LIMITATIONS

- Do not apply when ambient temperatures are below 10°C
- Protect from freezing.
- Not intended for use in areas subject to vehicular traffic, ponding water, and over tar or silicone.
- Do not apply when rain is imminent.

WARRANTY

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Product proven to be defective, and Tremco shall not be liable for any loss or damage.

BASIC APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION & DETAILING

- Concrete shall attain a 25 MPa minimum compressive strength prior to application.
- All surfaces must be structurally sound, free of dirt, grease, oil, release agents and or other contaminants.
- All surface imperfections, non - structural cracks etc. should be repaired with an appropriate repair mortar in order to provide a relatively uniform surface.
- Active water ingresses / leaks, through cracks and voids need to be plugged using our TREMPROOF® Inject Range of Polyurethane Injection Resins, prior to application.
- Concrete finish shall be a light steel trowel followed by a fine-hair broom, or equivalent ICRI #2-#4 finish.
- Install Polymer Modified Mortar (using TREMPROOF® Latex) or Dymonic® 100 coving at all horizontal, vertical interfaces to ensure smooth transition of the membrane
- Detail all covings, edges and penetrations using SOLARGARD® 6083 and Dymonic® 100.
- All shrinkage cracks shall be treated with a 0.75 mm thick coating of SOLARGARD® 6083, 15 cm wide, centered over the crack.
- Moving cracks greater than 1.6 mm shall be routed and caulked with Dymonic® 100, followed by a 1.5 mm detail coat of SOLARGARD® 6083, extending a minimum of 7.5 cm on either side of the crack.
- Allow all detail coats to cure for a minimum of 4 to 6 hr depending on temperature and humidity.
- Bare galvanized metal does not require a primer if there is no rust present. Surface must be clean and dry. Steel surfaces must be primed, as does metal with rust or corrosion present.
- If metal panel finish is Kynar 500 or the roof was previously coated, please contact us for surface preparation recommendations.
- If metal panel is not Kynar or previously coated, the surface must be cleaned of all rust as thoroughly as possible by wire brush, power tools, or power washed and primed with SOLARGARD® Rust Primer WB. Prime and detail as needed per application specification.

BASIC APPLICATION INSTRUCTIONS (Continued)

Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying length x width by 1.15 minimum.

Over Weathered Single Ply, after detailing and priming with Single Ply Primer, apply at 0.4 L / m², per coat at 0.4 mm WFT per coat.

For Built-Up/Modified Bitumen: After detailing and priming with WB Asphalt Primer, apply at 0.6 L / m², per coat at 0.6 mm WFT per coat.

The surface dictates the actual coverage. The amounts shown are intended as minimum application information.

APPLICATION OF SOLARGARD® 6083

Refer to appropriate application specifications for additional information. SOLARGARD® 6083 can be spray, roll, or brush applied. For optimum results, airless spray is recommended.

TYPICAL TECHNICAL PROPERTIES		
Property	Test Method	Values
Density	ASTM D1475	~ 1.46 kg / l
Specific Gravity	ASTM D1475	~ 1.46
Solids by Weight	ASTM D1644	> 60%
Solids by Volume	ASTM D2697	> 50%
Elongation (23°C)	ASTM D2370	390%
Cold Weather Flexibility	ASTM D522 (-26°C)	Passes 12.7 mm mandrel bend after 1000 h accelerated weathering
Tensile Strength (23°C)	ASTM D2370	1.72 N/mm ²
Dry Time	ASTM D1640	6 hours to touch Min. 24 hours to recoat
Flash Point	ASTM D3278	None
Clean Up		Water
VOC		< 50 g / L (White)
Solar Reflectance		0.85 Initial, 0.81 Aged
Solar Reflectance SRI		107 Initial, 101 Aged
Please contact us for Spray Application Recommendations		

• Please contact us at india@tremcocpg.com to confirm the most up-to-date Product Data Sheets. NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification & Labelling of Chemicals (GHS) requirements.

