Solarcoat

Water-based Acrylic Roof Paint

FEATURES

Good weathering performance
Low odour
Versatile

BENEFITS

- Delivers good weathering resistance
- Perfect for odor-sensitive accounts
- Can be applied to various roofing substrates

DESCRIPTION

Solarcoat is a high quality roof paint, ideal for redecorating previously painted roof surfaces. Solarcoat provides good resistance to weathering.

BASIC USES

Solarcoat is designed for direct-to-metal application. It can be used for exterior applications on steel and appropriately prepared galvanised steel, in addition to Tremco's acrylic coatings line, which includes Solargard 6083.

PACKAGING

25 Litre

COLOUR

Grey & White

GRADE

Brush, Roller, Spray

STORAGE

12 Months shelf life in unopened containers, when properly stored.

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources and direct sunlight. Storage temperatures should range from 15°C to 21°C and must not drop below 5°C or exceed 40°C.

On jobsite, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-coloured reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Preparation: All surfaces must be clean and free from dirt, grease, oil, loose granule, loose paint, rust, excess chalk and other foreign matter which could prevent proper adhesion. This is best accomplished using a high pressure wash of at least 150 bar. A surface cleaner shall be used to remove all grease or oily deposits to achieve a water break-free surface.

Smooth, hard or glossy finishes should be roughened by sanding to create a surface profile. Allow the surface to dry completely.

Roof Sheeting: ISO 8501 St2 for maximum protection.
If metal panel finish is Kynar 500, please contact the Technical Department for surface preparation recommendations.

Previously Painted Surfaces: Lightly sand or abrade to roughen and de-gloss the surface.
Existing paint must attain a minimum 3A rating in accordance with ASTM D3359 "X-Scribe" adhesion test.

Mixing: Use a heavy-duty corded power drill with Jiffy Mixer mixing blade. Mix until product is consistent in appearance and viscosity. Do not thin.

Airless Spray Application:

Pump Ratio:	30:1
Pressure:	2000 to 3000 psi
Tip Size:	0.015 to 0.021
Filters:	80 Mesh filter
Hose Type:	High Pressure ¼" Hose

Conventional Spray Application – Pressure Pot:

Tip Size:	1.8 to 2mm nozzle
Pressure:	2000 to 3000 psi
Hose Type:	¼" High Pressure Hose

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COVERAGE RATE

6 to 10m²/litre at 60 to 100µm per coat. Solarcoat is applied in 2 coats.

- Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.
- Additional surface area must be accounted for on applications over corrugated or standing seam metal substrates. Coverage may require an additional 15 to 25% depending on profile.

THEORETICAL SOLIDS CONTENT

By volume: 59% ± 1%

TEMPERATURE RECOMMENDATIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	5°C	5°C	5°C	0%
Maximum	35°C	50°C	35°C	85%

- Minimum temperatures must be rising following application.
- Do not apply when dew point is within 3°C of ambient temperatures.
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product.
- Application temperature shall be above 10°C.
- Protect from freezing.

CURE TIME

Surface Temp	Dry to Handle	Dry to Topcoat	Maximum Recoat
5°C	2 Hours	2 Hours	7 Days
24°C	1 Hour	1 Hour	7 Days
35°C	30 Minutes	30 Minutes	7 Days

These times are based on a 50µm dry film thickness. Higher film thicknesses, insufficient ventilation or cooler temperatures will require longer cure times. The acrylic film forming process may require several weeks at 24°C with proper ventilation to develop adhesion and water resistance. High humidity, high film thickness, insufficient ventilation or cooler temperatures will lengthen the "Dry to Handle" and "Dry to Topcoat" times due to slower water evaporation rate. Water-borne Acrylics are sensitive to moisture during early cure and are susceptible to handling damage.

CLEAN UP

Soap and water immediately after use.

LIMITATIONS

- Not intended for use in areas where water continuously ponds.
- Do not apply direct to Kynar metal finishes.

PHYSICAL PERFORMANCE CHARACTERISTICS

Property	Test Method
Type	Copolymer Acrylic Paint
Finish	Smooth, matt
Application	Brush, roller or airless spray
Cleaner	Water

MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and safety data sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyse conditions and needs to develop recommendations for special applications.

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