

Product Information Leaflet

SOLARCOAT is a UV Curing Epoxy Vinylester Resin having excellent corrosion resistant properties ensuring the highest level of protection to various substrates exposed to chemical, tough industrial and environmental conditions.

SOLARCOAT is a one component, easy to use product which can perform as a stand alone protective coating on many different substrates such as steel, concrete, GRP, FRP, PVC, and wood. SolarCoat also combines with the SolarTech UV Curing range of Laminates as a top coat providing the ultimate protection system for virtually all substrates. The product can be supplied in various colours.

The ability to offer user friendly, one component, fast curing on site applications has attracted many clients to use the SolarTech UV Curing technology.

Typical Applications:

- Tank linings
- Pipe line protection
- Chemical spillage areas
- Roofs
- Floors
- Water and Oil pooling areas
- Topcoat to SolarTech Laminates
- UV protection on all substrates

And many others....

Benefits:

- One Component (no mixing required)
- Ease of application
- Fast curing
- Excellent corrosion protection
- Excellent Adhesion to all substrates.



SolarCoat®

Product Data	
Colour	Various.
Volume Solids	100%
Mix Ratio	One Component
Curing Mechanism	Ultra Violet (UV). Natural or UV Lamp
Typical thickness range	250 - 300 Microns per coat
Theoretical coverage rate	3.2 sq.mtr per litre
Temperature resistance	Wet: Continuous 70 deg C. Atmospheric/ Intermittant 90 deg C Dry: Continuous 130 deg C. Atmospheric/ Intermittant 200 deg C
Packaging	1 and 5 Litre Tins
Application Data	
Surface Preparation	Dependant on type of application and substrate. Consult with Solartech or Solartech agent.
Method	Brush or Roller
Cleaner	Acetone
Coating Intervals	Minimum : Dry which will depend on UV Curing method. Maximum: Unlimited. However surface should be cleaned as per manufactures instruction if more than 8 hours.
Pot Life	20 - 60 minutes depending on exposure to UV radiation.
Cure Time	Totally dependent on type of UV curing. Can vary from 5 minutes to several hours.
Handling / Storage	
Pot Life	Vigilant care and attention is required to shield SolarCoat from UV radiation during application for optimum working time.
Environment	Surface temperature should be 3 deg C above dew point before application to prevent condensation.
Safety Precautions	Please refer to the product Material Safety Data Sheets for detailed information on handling, shipping and disposal.
Storage	Store in cool, dry conditions (not more than 25 deg C). Avoid storage near direct heat source and sunlight. Always replace lid on container after use.
Shelf Life	Min 12 months when stored as per manufacturers instructions.



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