

## TECHNICAL DATA SHEET FOR

**SOLAREFLECT**

<b>DESCRIPTION</b>	:	SolaReflect is a 100% acrylic elastomeric cool coating. It satisfies SS500:2015 specification for the elastomeric coating that helps to prevent or cover hair line cracks  Additionally, SolaReflect reflects a large amount of solar radiation from the sun, reducing heat build-up with COOL-TEC technology.
<b>TYPE</b>	:	100% acrylic elastomeric polymer
<b>COLOUR</b>	:	As per colour card
<b>FINISH</b>	:	Low Sheen
<b>USES</b>	:	<ul style="list-style-type: none"><li>• High performance coating system for use on external masonry wall surfaces such as concrete, cement plastered wall and brickwork.</li><li>• Warehouse, factory and cold storage room.</li></ul>
<b>FEATURES</b>	:	<ul style="list-style-type: none"><li>• Excellent weather resistance</li><li>• Long lasting colours</li><li>• Excellent dirt pick-up resistance</li><li>• Elastic and flexible with good performance in tensile strength that are able to cover existing and potential hairline cracks</li><li>• Excellent resistance to alkali and efflorescence</li><li>• Water repellent</li><li>• Water vapour permeable</li><li>• Anti-carbonation property</li><li>• Excellent resistance to fungal and algal growth</li><li>• Non-toxic, does not contain lead, mercury and heavy metals</li><li>• Environmentally friendly paint certified under the Singapore Green Building Product Certification Scheme, Solar reflective paint category</li></ul>

**APPLICATION DATA**

<b>METHOD</b>	:	Brush, roller, airless spray or air spray
<b>RECOMMENDED APPLICATION THICKNESS</b>	:	40 – 50 microns DFT
<b>THEORETICAL COVERAGE</b>	:	10–12 m <sup>2</sup> /litre (based on 40 microns DFT)
<b>DILUTION</b>	:	No dilution is necessary for best performance

**SOLAREFLECT**

<b>SPRAY APPLICATION</b>	:		<u>Air</u>	<u>Airless</u>
		Delivery Pressure	3 ~ 4 Kg/cm <sup>2</sup>	140 – 200 kg/cm <sup>2</sup>
		Tip Size	1.3mm	0.017” – 0.023”
		Spray Angle	50 - 70°	50 - 70°
		Dilution with water	10 ~ 20%	10% max

**SURFACE PREPARATION** : Ensure surface is clean, dry and stable using the following suggested surface treatments:

- **Moisture:** There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application
- **Unstable matter:** Remove loose bonding film, dirt, peeling paint, etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable
- **Contaminants:** Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry
- **Fungus and Algae:** Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
- **Hairline cracks** :Fill cracks with suitable exterior grade water-resistant putty or filler

**DRYING TIME** : Surface Dry - 30 minutes at 30°C  
Hard Dry - 2 Hours at 30°C

**OVERCOATING TIME** : 2 hours based on normal conditions

- RECOMMENDED PAINTING SYSTEM** :
- 1 coat of SolaReflect Sealer-Primer White (40-50 microns DFT)
  - 2 coats of SolaReflect (40-50 microns DFT per coat)

Powdery substrate is recommended to apply Vinilex 5170 oil-based sealer follow by the above painting system

**CLEANING** : All equipment should be cleaned with water immediately after use.

**GENERAL INFORMATION**

**SOLID CONTENT** : 61 ± 2% by weight (based on white colour)

**SPECIFIC GRAVITY** : 1.38 ± 2% kg/litre (based on white colour)

**PACKING** : 20 litres

**SOLAREFLECT**

- STORAGE** : Store in a tightly sealed container below 30°C.
- SHELF LIFE** : Up to 24 months in a tightly sealed container.
- PRECAUTION** : Avoid painting when the temperature is below 10°C or when the humidity is over 85%.  
Ensure adequate protection and avoid direct contact on sensitive skin, eye, etc.  
Refer to the product Safety Data Sheet for more information.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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