

**TECHNICAL DATA SHEET FOR
SOLAREFLECT Si**

DESCRIPTION	:	<p>SolaReflect Si is a premium hybrid acrylic-silicone cool coating formulated with COOI-TEC Technology that keeps the painted surface cool.</p> <p>Acrylic-silicone offers superior water repellency while maintaining high water vapour permeability. As a result, the painted substrate is protected from moisture damage and the building is kept cool for a long period of time.</p>
TYPE	:	Acrylic-silicone coating system
COLOUR	:	As per colour card
FINISH	:	Low Sheen
USES	:	<ul style="list-style-type: none">• Premium high performance coating system for use on external masonry wall surfaces such as concrete, cement plastered wall and brickwork.
FEATURES	:	<ul style="list-style-type: none">• Excellent weather resistance• Long lasting colours• Excellent dirt pick-up resistance• Excellent resistance to alkali and efflorescence• Water repellent• Breathable film with high water vapour permeability• Excellent resistance to fungal and algal growth• Non-toxic, does not contain lead, mercury and heavy metals• Environmentally friendly paint certified under the Singapore Green Building Product Certification Scheme, Solar reflective paint category
APPLICATION DATA		
METHOD	:	Brush, roller, airless spray or air spray
RECOMMENDED APPLICATION THICKNESS	:	30 – 40 microns DFT
THEORETICAL COVERAGE	:	Approx. 9 m ² / litre (based on 40 microns DFT)
DILUTION	:	No dilution is necessary for best performance

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SPRAY APPLICATION	:		<u>Air</u>	<u>Airless</u>
		Delivery Pressure	3 ~ 4 Kg/cm ²	140 – 200 kg/cm ²
		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 Expresskote or SolaReflect Sealer Primer White
 2 coats of SolaReflect Si

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

GENERAL INFORMATION

SOLID CONTENT : 54.0 ± 2% by weight (based on white colour)

SPECIFIC GRAVITY : 1.35 ± 2% Kg / Litre (based on white colour)

PACKING : 20 litres

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- STORAGE** : Store in a tightly sealed container in a cool dry place.
- SHELF LIFE** : Up to 24 months in a tightly sealed container.
- PRECAUTION** : Avoid painting when the temperature is below 10°C or 35°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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