

**TECHNICAL DATA SHEET FOR  
SOLARCOOL**

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| <b>DESCRIPTION</b>                       | : | <p>SolarCool is a premium 100% acrylic exterior cool coating with COOL-TEC Technology. It offers superior weathering &amp; algae resistant in attractive low sheen finishing.</p> <p>Incorporated with COOL-TEC Technology, SolarCool reflects a large amount of solar energy from the sun and able to reduce the surface temperature by up to 5°C*. This special property can lower heat build-up and subsequently decreases the energy needed for air-conditioning.</p> <p>*Temperature reduction varies from colour to colour</p>  |
| <b>TYPE</b>                              | : | 100% acrylic polymer  |
| <b>COLOUR</b>                            | : | As per colour card  |
| <b>FINISH</b>                            | : | Low Sheen   |
| <b>USES</b>                              | : | <ul style="list-style-type: none"><li>Premium high performance coating system for use on external masonry wall surfaces such as cement, plastered wall and brickwork.</li></ul>   |
| <b>FEATURES</b>                          | : | <ul style="list-style-type: none"><li>Energy saving coating with high solar energy reflection, less heat build-up results in lesser power consumption for air-conditioning</li><li>Excellent weather resistance</li><li>Excellent resistance to fungal and algal growth</li><li>Excellent dirt pick-up resistance</li><li>Excellent resistance to alkaline and efflorescence</li><li>Long lasting colours</li><li>Easy application</li><li>Non-toxic, does not contain lead, mercury and heavy metals</li><li>Fulfilled SS678 : 2021 specification for solar reflective water-based coatings</li><li>Environmentally friendly paint certified under the Singapore Green Building Product Certification Scheme</li></ul> |
| <b>APPLICATION DATA</b>                  |   |   |
| <b>METHOD</b>                            | : | Roller, brush, airless spray or air spray   |
| <b>RECOMMENDED APPLICATION THICKNESS</b> | : | 30 – 40 microns DFT   |
| <b>THEORETICAL COVERAGE</b>              | : | Approximately 10 m <sup>2</sup> / litre based on maximum 40 microns DFT (Actual coverage is dependent on substrate porosity and surface condition)  |

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| <b>DILUTION</b>                    | : | No dilution is necessary for best performance  |
| <b>SURFACE PREPARATION</b>         | : | Ensure surface is clean, dry and stable using the following suggested surface treatments: <ul style="list-style-type: none"><li>• <b>Moisture:</b> There must not be any water residue on the surface of the substrate. Moisture must be &lt;4% (Sovereign moisture master) before application</li><li>• <b>Unstable matter:</b> 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</li><li>• <b>Contaminants:</b> Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry</li><li>• <b>Fungus and Algae:</b> Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours</li><li>• <b>Hairline cracks:</b> Fill cracks with suitable exterior grade water-resistant putty or filler</li></ul> |
| <b>DRYING TIME</b>                 | : | Touch Dry - 30 minutes at 30 °C<br>Hard Dry - 1 hour at 30 °C  |
| <b>OVERCOATING TIME</b>            | : | 2 hours minimum in normal conditions   |
| <b>RECOMMENDED PAINTING SYSTEM</b> | : | 1 coat of SolaReflect Sealer-Primer White or Vinilex 2000 Wall Sealer<br>2 coats of SOLARCOOL<br><br>Powdery substrate is recommended to apply Vinilex 5170 oil-based sealer follow by the above painting system   |
| <b>CLEANING</b>                    | : | All equipments should be cleaned with water immediately after use  |
| <b>GENERAL INFORMATION</b>         |   |  |
| <b>SOLID CONTENT</b>               | : | 54.0 ± 2.0 % by weight (based on white colour)   |
| <b>DENSITY</b>                     | : | 1.35 ± 2.0 % kg / litre (based on white colour)  |
| <b>PACKING</b>                     | : | 20 litres  |
| <b>STORAGE</b>                     | : | Store in a tightly sealed container in a cool, dry place   |

**SHELF LIFE** : Up to 24 months in a tightly sealed container

**PRECAUTION** : Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment

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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