

NIPPON SOLAREFLECT

DESCRIPTION	SolaReflect is an elastomeric cool paint system that reflects a large amount of solar energy from the sun. It can reflect more solar energy and reduces 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. The SolaReflect technology enables us to offer a wide range of colors for design and decoration, now houses don't have to be white to be cool!
TYPE	Elastomeric acrylic-based coating system formulated with SolaReflect pigment, for exterior use.
USES	Premium high performance coating system for use on external masonry wall surfaces such as: <ul style="list-style-type: none"> • brickwork • Ceiling ... • Warehouse • Plastered walls • factory • storage room
FINISH	Low Sheen Color: Wide range of colors as per color card. Special colors on request.
FEATURES	<ul style="list-style-type: none"> • Energy saving coating with high solar energy reflection, less heat build-up results in lesser power consumption for air-conditioning. • Excellent weather resistance. • Long lasting colors. • Excellent dirt pick-up resistance. • Elastic and flexible with good performance in tensile strength that are able to cover or prevent hairline cracks. • Excellent washability. • Excellent resistance to alkali and efflorescence. • Low water absorption. • High water vapor permeability. • Anti-carbonation property. • Anti-fungus and anti-algal properties. • Non-toxic, does not contain lead, mercury and heavy metals. • Environmentally friendly paint certified under the Singapore Green Building Product Certification Scheme
APPLICATION DATA	
METHOD	Roller, brush, and airless spray
PAINT CONSUMPTION	Theoretical: 10.0 - 12.0 m ² /liter (Based on 40 microns DFT)
DILUTION	No dilution is necessary for best performance
REQUIRED THICKNESS	40 to 50 microns (Dry Film Thickness per coat)
SURFACE PREPARATION	<p>Surface must be clean, dry, and stable before painting.</p> <p>Unstable matter : Clean with damp cloth. For very powdery surface, apply a coat of VINILEX 5170 WALL SEALER after cleaning.</p> <p>Hairline cracks : Fill cracks with suitable exterior grade water resistant putty or filler</p> <p>Contaminants : There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application</p> <p>Fungus : Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours</p> <p>Oil/Grease : Clean off with mild detergent and a little solvent if necessary. Wash thoroughly to remove all trace.</p>
RECOMMENDED PAINTING SYSTEM	<p>New or Unpainted Surfaces:</p> <ul style="list-style-type: none"> • 1 coat SolaReflect Sealer-Primer White (40-50 microns DFT) • 2 coats SolaReflect (40-50 microns DFT per coat) <p>Previously Painted Surfaces:</p> <ul style="list-style-type: none"> • 1 coat of Vinilex 5170 Wall Sealer (20-30 microns DFT) • 2 coats SolaReflect (40-50 microns DFT per coat)
DRYING TIME	Surface dry : 30 minutes at 30°C Hard dry : 120 minutes at 30°C
OVERCOATING TIME	2 hrs. minimum.
CLEANING	Wash all equipment immediately after use with clean water.
STORAGE	Reseal lid and store remaining paint in a cool, clean and dry place. Contaminants can cause biodegradation of paint.
GENERAL INFORMATION	
SOLID CONTENT	Solid content: 62 ± 2.0 by Weight (based on white color)
SPECIFIC GRAVITY	1.36 ± 3% Kg/liter (based on white color)
PACKING	5 Liters & 18 Liters
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.
NOTE	The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product specification without further notice.