

SEAMASTER SUPER WEATHERSHEEN SOLAR REFLECTIVE WATER BASED COATING 10301

2.45
Rev 02
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Description

Super Weathersheen Solar Reflective Water Based Coating 10301 system is an innovative product formulated with extensive research and advanced paint technology. It is fully complied with SS678 Singapore standard. It is most suitable for wall or roof top which is subjected to great temperature differentiation. It can be used on external conditions. It is user friendly and do not contain toxic chemicals.

It is specifically designed to provide superior dirt pick-up resistance to water and efflorescence, algae and fungi resistance and maintaining a high concern for environment.

It has the following properties:

- Provides excellent Infra -Red (IR) Heat Reflecting properties
- Superior dirt pick-up resistance
- Algae and fungi resistance
- Efficient energy saver
- No toxic chemical and environmentally friendly
- Water and efflorescence resistance
- APEO Free
- Formaldehyde Free
- Low VOC

Surface Preparation

New masonry surfaces:

It is crucial that ample time is allowed for the concrete / plaster surfaces to dry out. High moisture content is a common cause for premature paint failures, such as blistering, discoloration, etc. Concrete / plaster are alkaline in nature and together with the presence of salts and moisture may cause paint system to fail prematurely. Masonry surfaces must be reasonably dry and free from oil/grease and other contaminant before an appropriate alkali resistance sealer is applied.

Old unpainted / previously painted masonry surfaces:

Surface must be dry and free from any structural damages and cracks & wash the surface to remove any vegetable growths, stains, debris and powderiness by high pressure water jets. For poor paintwork which is powdery, chalky and poor in adhesion, it is crucial to remove the old paintwork by scraping or by brushing with stiff bristle brush before the full painting system is applied.

Recommended Use

It is a single pack Energy Saving coating, incorporating an exclusive Infra -Red (IR) Heat Reflecting pigment developed by our paint technologists. Use for all types of substrates including concrete, cement-based substrate external facades, metal, fibre glass, roof and etc

Certification

It complies with requirements under

- Singapore Standard for Solar Reflective Water-Based Coatings (SS678)

Physical Properties

Vehicle Type
Pigmentation
Solvent

Copolymer latex
Titanium Dioxide, IR Heat Reflecting Pigment and Extenders
Water

Volume Solid	Approximately 45%
Solar Reflective Index (SRI)	≥ 80%
Drying Time at (27 ± 2°C & RH : 80 ± 5%)	Surface Dry ≤ 20 mins Hard Dry ≤ 4 hours
Recommended Dry Film Thickness	40 – 50 µm per coat
Recoating Interval	> 3 hours
Theoretical Coverage	9.00 – 11.00 m ² /L ((Actual coverage is dependent on substrate condition)
Colours	White and pastel colors
Gloss at 85° head	15-25 %
Storage condition	Air tight, store in dry and cool condition
Packing	5 litres, 20 litres
Application Temperature	5°C to 40°C
Flash Point	Not applicable
Pot Life	Not applicable
Shelf Life	2 years

Application Method Paint preparation

Brush, roller or spray
Ready for use after thoroughly stirring. However, if thinning is required, not more than 5% of water may be added for the first coat. For best result, thinning is not recommended for the subsequent coats.

Mixing ratio

N/A

For Wall Application

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Primer	Acrylic Wall Sealer	1	30 – 40 µm
Top Coat	10301 Super Weather Sheen Solar Reflective Water Based Coating	2	80 – 100 µm

For Metal Roof Top Application

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Primer	Appropriate anti-corrosion	1	30 – 40 µm
Top Coat	10301 Super Weather Sheen Solar Reflective Water Based Coating	2	80 – 100 µm

Health and Safety

This product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. SDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Product Liability

The Seller warrants the product to be free from manufacturing defects in material and workmanship. The Seller's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at the Seller's option, to either replacement of products not conforming to this warranty or credit to the Buyer's account in the invoiced amount of the non-conforming products.

The Seller makes no other warranties concerning this product. No other warranties, either express or implied, or satisfactory, and as warranties or merchantability or fitness for a particular purpose, shall apply. In no event shall the Seller be liable for consequential or incidental damages. Any recommendations or suggestion relating to the use of the products made by the Seller, whether in its technical limitation, or in response to specific inquiry, or otherwise, is based on data believed to be reliable, however, the products and information are intended for Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that the Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use or extrapolation of data may cause unsatisfactory results