

ENERGY SAVER COOL ROOF

Water-based urethane-acrylic top coat

This paint is a cool roof 1K top coat manufactured by using an acrylic-urethane hybrid type resin and a special pigment. It shows a heat shielding effect by reflecting infrared rays, while preventing the heat of the surface from being transmitted to the inside. In particular, it is a heat shading paint with excellent water resistance, hiding power, adhesion and gloss.

Usage

Water-based top coat for waterproof

Specification

Paint type	Acrylic-urethane emulsion water-based / Top coat			
Drying time	Category	10°C	20°C	30°C
	Set-to-touch	30 minutes	20 minutes	10 minutes
	Dry-through	8 hours	5 hours	4 hours
	Time required for re-coating (min.)	6 hours	5 hours	3 hours
Thinner	Tap water less than 5~10%, if necessary	Coating Method	Brush, roller, spray coating.	
Specific gravity	Apporx. 1.2(Based on white color)	Solid volume ratio	37±3%	
Theoretical Coverage	5~7m ² /ℓ (2times)	Thickness of dried film	60μm (2times)	
Re-coating interval	20°C, sufficient ventilation for a minimum of 5 hours	Color	White	
Gloss	Glossy			
Storage and preservation	12 months (well-ventilated dry, cold and dark location, room temperature 5°C~30°C, humidity less than 80%)			

Product Properties (Physical Property Data)

Certification Status	U.S. Cool Roof Rating Council Certification
Superior weather resistance	It has excellent long-term weather resistance and maintains the initial coating appearance for a long period of time.
Eco-friendly properties	It has little odor as it is a water-based type unlike existing oil-based waterproofing materials.

How to Use

Surface treatment	<ol style="list-style-type: none">1. The material should be sufficiently cured (cured more than 30 days at 20°C)2. Laitance, dust, oil and other contaminants on the surface must be completely removed.3. The proper pH of the material must be less than 9, and the percentage of moisture content must be less than 6%.4. The gaps and grooves on the surface must be filled with elastic putty, and surface adjustment should be made before coating.
Coating Method	<ol style="list-style-type: none">1. Top coat<ol style="list-style-type: none">① After at least 8 hours at 20°C following primer, apply this paint 3~4 times with a brush, roller or spray to get a dry film thickness of 1000μm.② At this time, undiluted paint is recommended, but if necessary, it can be diluted to less than 5% with tap water for coating.③ The re-coating interval is at least 5 hours after the first top coat at 20°C.