

# 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	35±3%	
Theoretical Coverage	5~6m <sup>2</sup> /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"><li>1. The material should be sufficiently cured (cured more than 30 days at 20°C)</li><li>2. Laitance, dust, oil and other contaminants on the surface must be completely removed.</li><li>3. The proper pH of the material must be less than 9, and the percentage of moisture content must be less than 6%.</li><li>4. The gaps and grooves on the surface must be filled with elastic putty, and surface adjustment should be made before coating.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Top coat<ol style="list-style-type: none"><li>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.</li><li>② At this time, undiluted paint is recommended, but if necessary, it can be diluted to less than 5% with tap water for coating.</li><li>③ The re-coating interval is at least 5 hours after the first top coat at 20°C.</li></ol></li></ol>