

ENERGY SAVER(WATER-BASED)

Water-based heat reflective insulation paint

This paint is a water-based heat reflective insulation paint made by using special acrylic emulsion resin and ceramic material with excellent weather resistance. It not only reflects heat rays from sunlight during painting but also prevents the heat from being transferred to the inside, thereby showing an excellent insulation effect. It has excellent adhesion with the existing coating surface, weather resistance and chemical resistance. It is a premium water-based eco-friendly product that can remarkably reduce cooling/heating costs by making it difficult for the outside heat to be transferred to the inside and for the inside heat to come out at the same time due to its low thermal conductivity.

Usage

Roofs and walls or inner walls and ceilings of factories, warehouses, houses, buildings, etc.
Other places where insulation is required

Specification

Paint type	Acrylic emulsion water-based / Top coat			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-through	6 hours	3 hours	2 hours
	Time required for re-coating (min.)	8 hours	4 hours	3 hours
Thinner	Less than 10~15% tap water, if necessary		Coating Method	Brush, roller, spray coating.
Specific gravity	Approx. 0.7(Based on white color)		Solid volume ratio	Approx. 65.4 %
Theoretical Coverage	1.3 m²/l		Thickness of dried film	500µm (4~5times)
Re-coating interval	20℃, sufficient ventilation for a minimum of 5 hours		Color	White
Gloss	Matte			
Storage and preservation	12 months (well-ventilated dry, cold and dark location, room temperature 5℃~30℃, humidity less than 80%)			

Product Properties (Physical Property Data)

Heat reflection insulation performance	By applying special ceramic pigments, it has excellent infrared reflectance and low thermal conductivity.
Dense film composition	By forming a dense film, durability including adhesion, weather resistance, and chemical resistance is excellent.

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℃)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. Primer<ol style="list-style-type: none">① After surface treatment, if necessary, dilute the water-based epoxy undercoat with water up to 10% and apply once with a roller or brush to get a dry film thickness of 20μm.② For areas where the absorption of the surface is severe, apply once more coating.2. Top coat<ol style="list-style-type: none">① After at least 8 hours at 20℃ following undercoating, apply this paint 4~5 times with a brush, roller or spray to get a dry film thickness of 500μm.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 at 20°C after top coating.

NOROO 노루페인트