

ENERGY SAVER(SOLVENT-BASED)

Acrylic urethane heat reflective insulation paint

This paint is a heat reflective insulation paint manufactured by using 2K non-yellowing acrylic urethane resin and special ceramic material. 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 paint 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 of factories, warehouses, houses, buildings, etc. and other places where insulation is required Storage tanks for petrochemical products, grains, etc., various plants

Specification

Paint type	Acrylic urethane (non-yellowing type) (Two-component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-hard	12 hours	8 hours	6 hours
	Over-coat (Min.)	12 hours	8 hours	6 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	30 minutes	20 minutes	10 minutes
	Pot life	6 hours	5 hours	3 hours
	Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.			
Thinner	DR-700, DR-700L	Dilution ratio	▷ Brush, roller coating: less than 5%	
Specific gravity	0.7 (Based on white color)		▷ Air spray coating: less than 10%	
Theoretical Coverage	1.20 m ² /L (Dry film thickness 500μm)	Solid volume ratio	60.2 % (Based of white color)	
Color	White	Thickness of dried film	500 μm	
Mixing ratio	Base(A)/Hardener(B)=10/1 (Weight ratio)	Gloss	Matte	
Shelf life	12 months	Packaging unit	16L	
Flash point	At least 7 °C			

How to Use

Surface treatment	1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated. 2. Sufficiently dry the surface to be coated before coating. 3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.
Coating Conditions	1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less
Coating Method	1. Coating can be done by either brush, roller, air or airless spray coating. - Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	1. Precedig coating : Epoxy system, urethane system