ENERGY SAVER

Urethane for steel(S)

ENERGY SAVER Urethane (S) is a thermal insulation paint made by using two-component non-yellowing acrylic urethane resin and special ceramic material. It shows a heat shielding effect by reflecting infrared rays of the sunlight during painting. It prevents the heat of the surface from being transmitted to the inside and shows an excellent insulation effect. It is also an energy-saving paint that can 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	Various steel, concrete and mortar surfaces Roofs and walls of factories, warehouses, houses, buildings, etc. and other places where insulation is required Storage tanks

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% ▷Air spray coating: less than 10%
Specific gravity	1.0 (Based on white color)		
Theoretical Coverage	5.06 ㎡/L (Dry film thickness 100㎛)	Solid volume ratio	50±5 % (Based on white color)
Color	White, bright gray, gray, other colors	Thickness of dried film	100 ㎛
Mixing ratio	Base(A)/Hardener(B)=5/1 (Volume ratio)	Gloss	Matte
Shelf life	12 months	Packaging unit	16L
Flash point	At least 7 ℃		

Product Properties (Physical Property Data)

Certification Status	U.S. Cool Roof Rating Council Certification, U.S ENERGY STAR Certification: white, bright gray

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℃, Surface Temperature: 40℃ 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