



Thermal Roof Coating

Product Description

One component elastomeric acrylic resin-based flexible acrylic waterproofing & thermal insulation coating. The product have waterproofing impervious and elongation properties in addition to the strong bonding on most substrates. It forms a tough, flexible and durable coating which is resistant to UV and other weathering agents plus the low heat conductivity properties.

Product uses:

As water proofing & thermal insulation material over concrete, masonry, woodwork, tiles, steel, also it is well suited to protect expanded polyurethane foam from deterioration by U. V. rays.

Properties

- Waterproof
- flexible (high crack bridging capability)
- Easy application.
- The product has low heat conductivity
- Very good adhesion.(Excellent bonding to most substrates)
- Odorless.
- Very UV resistance
- Non-toxic, water-based, low VOC
- Very low maintenance/repair costs
- Environmentally friendly

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	White
<i>Density:</i>	1.03 kg/liter
<i>Volume solids %:</i>	58 %
<i>Theoretical spreading rate:</i>	2.9 m ² /ltr (200 micron DFT) – 2.1 m ² /kg
<i>Consumption:</i>	450-700 g / m ²
<i>Recommended DFT:</i>	500-600 micron for Horizon surfaces.
<i>(Dry Film thickness)</i>	200-300 micron for Vertical Surfaces
<i>Surface dry:</i>	10 - 15 approx. min (s) 23°C/73.4°F 50% R.H.
<i>Light foot traffic</i>	5 -6 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F

Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray
<i>Thinner:</i>	Fresh water
<i>Thinner Amount:</i>	Brush (Do not Thin) – Roller (10 %) - airless Spray (5%)



Surface Preparation:

- Surface must be dry, clean and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder adhesion.
- Surface must be firm and have enough strength. If in doubt, apply a test area before beginning.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- All dust, loose and friable particles should be removed from the surface before application with brush and/or vacuum cleaner.
- Grinding by diamond disk should take over the place and all the dust must be removed by vacuum machine.
- All the cracks must be repaired by Flexible Material.

PRECEDING COAT:

Concentrated Sealer or thermal Primer

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 24 hours after application.
- All application tools and equipment should be cleaned with water immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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