K2 HEAT GUARD

Heat Insulating Elastomeric Exterior Coating

Description:

HEAT GUARD is a single component heat reducing elastomeric acrylic coating it reflects heat as well serves as an insulation medium to resist heat transfer.

Area of Application:

- Building roofs and terraces and exterior walls.
- Industrial / factory roofing – concrete, asbestos and metal.
- Cold storage, hospital building
- Storage tanks – water, chemical

Benefits:

- Single component – ready to use.
- Easy to apply – by brush, roller or spray.
- Heat insulation – Nonconductive properties keeps the building warm in winter and cool in summer.
- UV resistance – Resistance to UV emission reduces heat conductivity.
- Non Toxic – Safe for the environment and Eco friendly
- Microbial resistant – Prevent growth of algae, fungus and moss.
- Highly reflective

Technical Properties:

Properties	Results	Standard
Appearance	White colored uniform paste	-
Solid Content	60 ±2%	-
Light Reflection	92% at 700 mm	-
Elongation at break	100%	ASTM D 412
Tensile Strength at break	1.0 to 1.5 N/mm²	ASTM D 412
Hardness	45-55 shore A	ASTM D 2240
Dry film thickness	70-75 microns per coat	-

Application Instruction:

SURFACE PREPARATION

- The Surface should be sound and clean, free from dust, grease, oil, loose material, paint etc.
- Clean the surface thoroughly with a wire brush or shot blasting if require and remove the loose particles.
- Repair the surface cracks up to 5 mm by KrackSeal and more than 5 mm by BOND SBR modified mortar

PRIME COAT

- The Surface should be in SSD condition before priming.
- Dilute 2 parts of UNIPRIME with 1 part of water.
- Allow primer to dry for at least 4 – 5 hours.
- Apply with brush or roller.

APPLICATION PROCESS

- Apply the first coat of HEAT GURAD by brush or roller.
- Allow the coating to dry for 3 to 4 hours
- Apply second coat at right angle of first coat.
- Minimum two coats are recommended, If the required additional coat can be applied.
- Allow the coating for dry and cure for minimum 3 days.

Precautions:

- Do not apply to wet or damp surfaces.
- Apply as a final coat, no Over coating is recommended
- Do not dilute more than 20% with water.

Coverage:

- Concrete surface – 40 to 50 sq.ft. / ltr/ per coat.
- Metal surface – 50 to 60 sq. ft. / ltr/ per coat.

Packing:

HEAT GUARD is available in 1Ltr, 4Ltr and 20Ltr Pack.

Shelf Life and Storage:

HEAT GUARD has a Shelf life of 18 Months from the date of manufacturing. Store the material in cool and dry place.

Health & safety:

HEAT GUARD is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and sought medical advice immediately.

FIRE

HEAT GUARD is non-flammable.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

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