



CRETOPROOF KOOL ROOF

(Heat Insulation Coating)

Description

Cretoproof Kool Roof is a single component, water based high thermal reflectance & emittance coating, It has the ability to reflect the visible, infrared and ultraviolet wavelengths of the sun, thereby reducing heat transfer to the building / structure, which significantly lowers the surface temperature of your roof and structural exteriors.

Features / Benefits

- Single component
- Ready to use
- Nontoxic, High emissivity
- Green building compliant
- Washable

Uses

Cretoproof Kool Roof is thermal reflective and emittance \coating for building and structure.

Application areas include:

- Certified green building,
- Commercial and residential Buildings,
- Industrial sheds and godown,
- Concrete and Metal storage tank,
- Cold Storage and Warehouses

Application Methodology

Step no 1: Surface Preparation

Correct substrate preparation is critical for optimum performance. Surfaces should be clean, and free from loose particles, curing membrane or any other contaminant. Grease, oil, mould release agent, loose and flaking paint, rust, algae, fungus or any other material which may impair adhesion must be removed by mild detergent, thoroughly scrubbing with a soft brush, and then clean with water. If the wall surface is damp or water is seeping, it is necessary to treat the leakage before coating. For advice on the treatment, please contact Cretestone technical team. It is important to note that the final finish obtained is entirely dependent on the surface finish of the substrate. For a superior finish, fill the substrate surface irregularities such as blowholes, honeycombs, and unevenness etc. Cleaned area to be washed with water and the concrete surface should be moist and clean before application of first coat.

CRETSTONE PRIVATE LIMITED



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Step no 2: Product Mixing

Stir the contents of the container using a Stirrer to homogenize the coating material.

Step no 3: Product Application

Apply Cretoproof Kool Roof by a roofing brush or with medium nap lamb's wool roller on the cleaned and washed surface. The second coat to be applied after a gap of min. 6 hrs. To ensure optimum performance apply the second coat at right angles to the first coat. Ensure that the coated area does not come in contact with water for a minimum 8 hours. After completion of full coating, 48hours are the (self) curing period for this painted surface. Do not apply the first coat onto freshly placed concrete or mortar until its moisture content falls below 8%.

Note: Check for the bonding/finishing of the material with the substrate before going ahead. If the bonding is not good, then contact Cretestone technical team for further advice.

For Metal Surface

For application over GI sheet metal, Primer (Cretoproof EMB) is recommended before application of Cretoproof Kool Roof.

Curing

Cretoproof Kool Roof is self-curing. Curing time depends upon the ambient temperature & humidity, the moisture content of the substrate, thickness of film, etc. High temperature and low humidity accelerates the curing process.

Technical Data

Physical appearance	White colour
Density	1.11 ± 0.1 kg/liter
Water Absorption	Nil
Impact resistance	Very good
No. of coat	2 coats
Dry film thickness	250-300 microns per coat
Dry to touch @ 30°C	30 minutes
Recoating time @ 30°C	6 hours
Full curing time @ 30°C	48 hrs.
Curing Mechanism	By Air – evaporation, Coalescence
Service Temp	Min. 40°C, Max. 45°C (After curing)
Application temp range	Between 12°C to 45°C (Recommended 16°C to 34°C)
Component	Single component, ready to use coating
% Solids	Approx. 55% ± 1
Solar Reflectance Index(SRI)	105

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Coverage

Theoretically Cretoproof Kool roof will cover an appx. Area of 2 – 2.5 sqmtr /Kg / 2 coats depending upon the porosity of the substrate.

Packing

Available in 1, 5, 10 & 20 kg Pails

Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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