



WeatherCoat Kool & Seal

conforms to ISI/IGBC & GRIHA specifications



Product composition: WeatherCoat Kool & Seal is a water based, flexible, waterproofing, roof coating use on roof/terrace/parapet. It is formulated with 100% Acrylic Elastomeric Polymers that expand and contract with the substrate and prevent development of hairline cracks over a long period of time. The heat reflecting particles present in WeatherCoat Kool & Seal reflect visible radiation and infrared rays, thereby reducing heat build-up and keeping the surface cool. Moreover the coating forms a breathable layer, allowing trapped water molecules to easily evaporate.

USP

Features	Benefits
Durability	On curing, makes a tough film hence provides durability
Flexibility	Flexible, hence elongates with substrate to prevent cracking
Cooling Effect	Visible Radiation and IR Reflecting keeps the surface cooler
Breathability	Retains the breathability of the concrete
Cleanability	Easy to clean and non-staining
Microbial Resistance	Gives resistance to algae and fungal growth on applied area
Non-Toxic	Environmentally safe
Anti-efflorescence Effect	Provides high protection against saltpetre action

Usage area

The product can be applied on roof slabs, sloping roofs or terraces, chajjas and parapets.

DIRECTIONS FOR USE

Surface preparation: Pre-painted/bare surfaces should be examined for soundness. Any cracks (hairline or otherwise) should be sealed with suitable sealants and allowed to dry. If needed, cement work should be done in affected areas and left for 2-3 weeks to allow complete curing of the layer. Before coating, the surface should be dry, clear and free of any defects.

Application: Apply one coat of Illusion Sealer on terrace and parapet surfaces and let it dry for 3-4 hrs. This will seal the pores of the surface and improve adhesion with WeatherCoat Kool & Seal coats. Apply first coat of WeatherCoat Kool & Seal on the dried surface at the rate of 30 sq ft/ltr/coat. Allow it to dry for 6-8 hrs in dry sunny conditions. In cloudy or humidity conditions (RH>60%), allow the coating to dry overnight. WeatherCoat Kool & Seal can be applied either by a roller or a trowel. Apply 2nd and 3rd coat at the same rate after drying the previous layer. No dilution is necessary. The product should be used directly out of the can for all 3 coats. Drying time of each coat depends on ambient temperature, relative humidity, application thickness and surface profile.

TECHNICAL DATA

Properties	Specifications
Volume solid	30%
Polymer type	100% acrylic
Mass/ltr	Depends on shade
Elongation at break	100%
Tensile strength (Max)	8 Kg /cm ²
Crack bridging	No cracking up to 2 mm
Accelerated weathering	Passes
VOC	30+/-5 gm/ltr (Low VOC/Lead Free)

PRODUCT INFORMATION

1	Cleaning	WeatherCoat Kool & Seal can be cleaned from the applicator using potable water before the material dries.	3	Coverage	20 sq ft/ltr/coat. It is recommended that 2 - 3 coats (300 µm DFT/coat) of the product be applied depending upon the surface profile
2	Storage	12 months from the date of manufacture in a sealed container, kept in a cool dry place away from direct sunlight.	4	Packs	1 ltr, 4 ltr, 20 ltr.

POINTS TO NOTE

- This product is not suitable for areas which are inherently damp or subject to water seepage - all such areas with existing structural defects need to be rectified first before application.
- It is also not suitable for areas which are uneven resulting in water logging/formation of water puddles. There the flow problem needs to be corrected before application. The film thickness might also vary when applied on uneven surfaces.
- WeatherCoat Kool & Seal should not be applied where tar or any other waterproofing chemical have been applied already. The surface must be scraped clean before use.
- It also should not be applied on roof during rains. It is suggested that the application areas are kept covered when the work is not in progress. Ideally, a tarpaulin sheet with bricks on each corner should suffice.
- In case it rains in the midst of application, then it should be stopped immediately and the area should be covered with tarpaulin. In such cases, application of an extra coat is advisable.
- This product is recommended for whole area application. However, in case of re-coating a particular area it is recommended that such areas be fenced off with wooden bars first.
- WeatherCoat Kool & Seal should be applied essentially in white, as white is the colour most effective in heat reflection.
- Areas once coated should not be walked upon for a week. In case trampling occurs, the area should be re-coated.

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