

CHEMIKO HEAT GUARD

Heat insulation elastomeric exterior coating

1/1/2 017



DESCRIPTION

CHEMIKO HEAT GUARD is a flexible, liquid applied, single component, uv and weather resistant, acrylic waterproofing membrane for all types of exposed roof slabs(new and old),terraces(sloped and flat),etc. CHEMIKO HEAT GUARD contains cross-linking polymers, special glass micro fibers, pigments and advanced antifungal additive that provides long lasting tough waterproofing membrane. The high Solar Reflective Index of the membrane serves as a heat reflective surface and reduces heat ingress keeping the interior of the building cooler.

ADVANTAGES/CHARACTERISTICS

- Cross linking polymer gives excellent weather resistance and enhances service life.
- High solar reflectance index (SRI) indicates high degree of cooling effect
- Crack-bridging High resistance to chloride penetration, hence highly suitable for saline environment.
- Simple and fast application Excellent adhesion to concrete, brickwork, corrugated asbestos, bitumen, asbestos cement sheet and metal decks
- Ultra violet rays and weather resistant

FIELD OF APPLICATION/USES

- RCC/ asbestos/ lime terraced roofs/ clay tiles etc. after suitable surface preparation and repairs
- Exterior coating for PVC water tanks exposed to direct sunlight to keep the inside water temperature relatively cooler.
- External walls and balconies

TECHNICAL DATA

Properties	Requirement
Nature	Liquid single component
Solid content %	65
Pull off Adhesion N/mm ²	1.3
Crack Bridging	up to 1 mm
Water Absorption %	Passes
Coverage	1.8sq Mt./L depends on surface
Tensile strength	1.2 MPa
Elongation %	150
Dry Film thickness	500-600 microns

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.

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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION All dust, loose and friable materials and glaze or varnish of tiles must be completely removed by mechanical means. Existing coatings/ membranes have to be inspected, cleaned and mechanically ground to achieve a sound, gripping substrate. In case of bad adhesion to the substrate, existing coatings have to be removed. In case of application on clay tiles, roughen the surface by grinding and then apply the system. All uneven surfaces should be properly treated by suitable Chemiko material to get a plain surface. In case of application on an existing bituminous membrane following procedure has to be followed : After ensuring that the existing membrane has been cleaned properly, apply the Solvent based or Water based on the surface on which the system is to be applied. Sprinkle a layer of sand on the primed surface immediately and allow it to dry for atleast 12 hours. The surface is now ready to take the CHEMIKO HEAT GUARD

APPLICATION CHEMIKO HEAT GUARD is supplied in a single component pack and is in ready to use form. Stir thoroughly using a conventional paint stirrer prior to application. As a part of the System please prime the substrate with CHEMIKO GUARD Primer Within 2-4 hours of priming, apply 1st coat of CHEMIKO HEAT GUARD by brush or roller. Do not spoil the dry surface while walking on it for application. Place over the first coat when it is in tacky condition. Apply the 2nd coat of CHEMIKO HEAT GUARD following the same above procedure at suitable time interval of 6-8 hours between the coats. Finally apply a thin layer of CHEMIKO GUARD Primer. Suitable time interval is 6-8 hours after the second coat dries off. The above mentioned times may vary depending on temperature, humidity and ventilation at site. **CLEANING OF TOOLS** Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

HEALTH & SAFETY

- Cementitious mortars & slurries modified with CHEMIKO HEAT GUARD when mixed or when become damp, may release alkali which can be harmful to skin & eye.
- Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application.
- In case of contact with skin, with eyes, rinse with plenty of clean water and then cleanse with soap water.

STORAGE AND SHELF LIFE

- Shelf life is 12 months from the date of manufacturing.
- Store in a cool & dry place in unopened condition (Prevent from direct sunlight).

AVAILABLE PACKING: 1KG, 5KG, 10KG, 20KG & 50KG

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ISO 9001:2015