

DECKPROOF HR

Heat Reflective Coating

INTRODUCTION

Deckproof HR is a water-based, high solid content, pure acrylic heat reflective coating which reduces the solar heat loading into buildings up to 30%. This highly effective heat reflecting roof coating has excellent UV resistance for years of trouble free service. It is most the versatile product for concrete roof/terrace applications for effective heat reflection. Application of Deckproof HR over roof and façade significantly reduces the energy consumption required for cooling the volume inside the building i.e. loads for air-conditioning are reduced. Deck Proof HR applied over a base coat of Deck Proof provides waterproofing as well as heat insulation on roofs and terraces.

KEY FEATURES

- Water based, no harmful volatile content
- Fast drying and easy to apply
- Excellent adhesion with concrete, masonry and natural stone
- Good reduction in roof temperature for RCC terraces, asbestos and cement board.

TECHNICAL DATA

Solid Content	>65%
Tack free time	30 mins
Full cure time	2 days
Adhesion strength	>1.5 N/mm ²
Coverage	0.2-0.3 Kg/sq.m

APPLICATION PROCEDURE

Surface Preparation

1. Surfaces should be structurally sound, clean and free from loose material, dust, dirt, oil, grease, wax, loose paint, mildew, rust or efflorescence.
2. The surface should be moist/water-washed before application. However avoid puddling / ponding of water

Mixing

1. Deckproof HR is recommended to use in as supplied form without any dilution.
2. When applying over highly absorptive surfaces, such as lightweight concrete blocks, we recommend primer application made by mixing 1 part of Deckproof HR and 2 parts of clean water by weight.
3. Product should be stirred using hand held low RPM (300-400) electromechanical helical stirrer for 2-3 min prior to use.
4. Excessive shaking or mechanical mixing should be avoided to prevent entrapping of air bubbles, which will prevent continuous film formation.

Application

1. Apply the first coat uniformly over the surface using brush or roller and allow it to dry for 2-3 hours

before further coat. Make sure the coating is performed by moving the brush completely either vertically or horizontally during the entire coat.

2. Apply the second coat such that the direction of brush application is perpendicular to previous coat application. Allow it to dry for 2-3 hours.
3. Apply a third coat if required to smoothen the surface.
4. After completion of full coating, it should be allowed to air cure for 48 hrs.
5. Drying time may vary due to temperature / humidity and surface condition.
6. Ensure that the coated area does not come in contact with water for at least 6 hours.

PACKAGING

20 Kg. Pails

HEALTH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach. If splashed on to cloth or any other fabric, wash immediately otherwise it may leave permanent stain.

STORAGE

Store in the original container with the lid closed appropriately. Avoid extreme temperatures and direct exposure to sunlight. Keep in cool, dry and under shed. Shelf life is 12 months from the date of manufacturing if stored following aforesaid method.

PRODUCT DISCLAIMER

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.