

TECHNICAL DATA SHEET

Polyurethane Waterproof Coat



Roof-Gardi (P)

Product Code: K-710

DESCRIPTION

Roof-Gardi (P) is a water based, single component, high performance Polyurethane based cold applied thixotropic waterproof coating. It provides excellent resistance to moisture, water and salt penetration in concrete and masonry surfaces. Roof-Gardi (P) conforms to ASTM C836 and C898.

FEATURES & BENEFITS

- Excellent crack bridging capacity (up to 2 mm)
- Provides SEAMLESS coating and is highly flexible
- Non-toxic, but cannot be used in immersible water conditions
- Resists positive water pressure and has good impact resistance & tensile strength
- Excellent bonding to substrate such as concrete, masonry, wood, metal, plastic, etc
- Provides a key to plaster on difficult surfaces
- UV resistant
- Easy to use with roller, brush or sprayer
- Excellent resistance to chlorides and alkalis
- Single component, ready to use product
- Impervious coating, outstanding barrier properties against ingress of water and corrosive conditions
- Mechanical damage can be easily repaired by local application
- Anti root properties
- Highly elastic, gives a fully flexible resilient barrier over a wide range of surfaces and temperatures

RECOMMENDED USES

- As an impervious waterproofing membrane
- Useful on concrete and brick foundations, retaining walls and bridge abutments
- For protection of interior and exterior walls
- Can be used as adhesive to bond wood blocks, expanded polystyrene and cork tiles to any surface
- Trafficable roofs, podium (light traffic)
- Tin sheds, Asbestos sheets waterproofing

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PROPERTIES

Physical Properties	
Colour	White
Specific Gravity (IS 101/1964)	1.45 ± 0.1
Service Temp. Range	Between -10°C to +60°C
Elongation (ASTM D412)	> 500%
Water Vapour Transmission in 1.3 mm Film	6.8 gm/m ² /24 hours
Dry Solid Content (IS 101/1964)	Min 80%
Dry Heat Resistant	Up to 105°C
Hardness, Shore A	> 50
Flexibility at Low Temperature (At 0°C)	No Cracks (EN 15813)
DFT	Approx. 350 – 400 microns per coat
Coverage (1 mm Thickness)	1.2 to 1.3 kg/m ³ in 2 coats + primer (without fiber mesh) 1.5 kg/m ³ in 2 coats + primer with fiber mesh

APPLICATION

- The surface to be coated should be free from any loose particles, dust, oil and laitance.
- All visible cracks should be repaired by opening in 'U' groove and filled with repair mortar (Krytol Bari-Cote).
- The primer coat using acrylic polymer mixed with cement in 1:2 ratio should be applied for best bonding and surface preparation or with Roof-Gardi (P) used as primer with dilution at 1:1 with water.
- After 2-3 hours of primer coat, two coats of Roof-Gardi (P) with an interval of 6-8 hours between coats or after the first coat is touch dry to have a thickness of 1mm.
- Roof-Gardi (P) should be self-cured for a minimum of 24 hours at ambient temperature.

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.

PACKAGING

Roof-Gardi (P) is available in 20 kg pails.

SHELF LIFE

One year from date of packaging.

WARRANTY

Kryton Buildmat Co. Pvt. Ltd. warrants that Kryton products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of Kryton, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at Kryton's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF KRYTON. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. KRYTON SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of Kryton has the authority to make any representations or provision except as stated herein. Kryton reserves the right to change the properties of its products without notice.