

TECHNICAL DATA SHEET

Waterproofing Coating



Roof-Gardz

DESCRIPTION

Roof-Gardz is a Thermosetting Plastic Elastomer (TPE), synthetic based waterproof membrane. Because of its excellent flexibility and thixotropic nature it is ideal for use on vertical as well as horizontal surfaces. An economical, easy to apply and pollution free water proof coating Roof-Gardz works best on terraces, terrace gardens podiums etc. This coating is provided in base white and can be pigmented to desired colour.

FEATURES & BENEFITS

- Increases life & durability of the structure
- Provides seamless and joint free seal throughout the surface that is impervious to water
- Lowers labour cost due to easy, simple and quick application
- Excellent bonding to most building materials
- UV resistant and can be used to protect sheet membranes
- Provides protective membrane for polyurethane foam insulation
- Provides anti-root resistance properties

PROPERTIES

Physical Properties	
Appearance	White Thixotropic
Solid Content (by weight)	65% Heated \pm 2%
Specific Gravity	1.32 \pm 0.02
Thickness Coat	Approx. 1.0 mm, wet film
Tensile Strength	440 PSI, ASTM D-412
Hardness Shore A	60, ASTM D-2240
Permeability	0.05 Perms inches
Temperature Limits 20 Mils	-290 C +930 C
Elongation	440%

AREAS OF APPLICATION

- Waterproofing of plaza and car park deck
- Waterproofing of external plastered walls creating a finished surface
- Waterproofing of new surfaces and repairs of old surfaces
- Waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls etc.
- Waterproofing of flashing, roof edgings, gulleys, steeply pitched designs etc.
- Optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets etc.
- Provides increased protection when used as base or intermediate coat in Brick Bat Coba or IPS flooring

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APPLICATION INSTRUCTIONS

- **Substrate Preparation**

Make sure the surface is free from oil, grease, loose particles, rust and contamination. For surface treated with asphalt or bitumen coatings cut away any blisters and peel-off traces and fill them properly. Masonry joints must be flush jointed. In case of tiling roofs, terraces, balconies or sun shades, the joints between the tiles should be properly filled to avoid water penetration through the joints.

- **Substrate Temperature/ Ambient Temperature**

Should be +8 C minimum and +35 C maximum.

Note: Beware of Condensation. Surface temperature during application must be at least +30 C above dew point

- **Application**

For primer coat dilute Roof-Gardi with 25% water and apply with brush, spray or roller. Once dried, apply perpendicular to each other, two coats of Roof-Gardi diluted with 5% water. Allowing the first coat to completely dry before applying the second coat or make sure each coat is cured for 8 Hrs. at 300 C. All brushes and tools should be cleaned with water immediately after use.

COVERAGE

Coverage with 3 coats (inclusive of primer coat) will be approximately 750 gm/sq.m on a smooth surface.

SAFETY

Non-hazardous. If ingested, seek medical advice.

PACKAGING

Roof-Gardi is available in 20 kg resealable pails.

SHELF LIFE

12 months for unopened pails. Store away from sunlight and preferably below 30° C.

WARRANTY

Kryton Buildmat Co. Pvt. Ltd. warrants that its products are free from manufacturer's defects and, when applied in accordance with the current specification application instructions will perform as so stated in its product literature. Because methods and conditions of use are beyond the control of Kryton, no guarantee, expressed or implied can be given as to the results of application. Liability of Kryton Buildmat Co. Pvt. Ltd. shall be limited to replacement of materials proved defective or, at its option, refund of the purchase price of the product.