

TECHNICAL DATA SHEET

POWERFIX

For those who needs strength...



TERRACOAT

Heavy Duty Reinforced Acrylic Water Proof Coating For Terrace

- Strong Waterproofing – Elastomeric, crack-bridging, ready-to-use coating.
- Weatherproof – UV, ageing, and chloride resistant; ideal for saline & corrosive environments.
- Long-Lasting Finish – Anti-carbonation, dirt, algae & fungi resistant for bright colour retention.
- Breathable & Safe – Vapour permeable, low VOC, non-toxic.
- Easy to Apply – Non-sagging, even coverage, easy to clean.
- Versatile Use – Suitable for both interior and exterior applications.



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Heavy duty reinforced acrylic water proof coating for terrace

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DESCRIPTION

TERRACOAT is a heavy duty terrace waterproof coating system, composed of specially developed highly elastic & resilient acrylic polymers, properly selected & graded fillers, lightfast & weather durable pigments, micro-fibers, additives & best quality fungicidal in water medium. It is used as a liquid applied waterproofing membrane for all types of building terraces. TERRACOAT is a two-layer system with coats in white color ensuring proper build-up of the thickness, making it a reliable waterproofing system. The coating performance can be enhanced for large roofs, by providing a fiber mesh that is embedded or sandwiched between the coats.



COVERAGE

1.5 to 2 m²per KG/Coat

PACKING STYLE

1 KG, 5 KG & 20 KG

PRODUCT INFORMATION

Chemical Base: Acrylic co-polymer with special additives

Appearance / Colour: Liquid Emulsion Available in white bases

Density: ~ 1.35 kg/L (at +27°C)

pH-Value: < 9

Solid content by weight: ≥ 80 %

Volatile organic compound (VOC) content: < 10 g/L

AREAS OF APPLICATION

- As a waterproof, weatherproof, protective and decorative coating for
- cement mortar and sand rendered surfaces
- dry wall surfaces like gypsum, cement fiber boards, asbestos
- Exterior masonry walls
- Interior walls
- Internal or external concrete
- Concrete or masonry surfaces exposed to saline environment



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TECHNICAL SPECIFICATIONS

Elongation at Break:	≥ 100%	(ASTM D 2370)
Crack Bridging Ability:	3.2 mm	(ASTM C 1305)
Tensile Adhesion Strength:	≥ 1.5 N/mm ² (On concrete)	(EN 1542)
Permeability to Water Vapour	~ 25 g/m ² /day	(ASTM E 96)
Water Absorption	< 10 %	(ASTM D 570)

LAYER THICKNESS

DFT in one coat including primer	60-70 microns
DFT in two coats including primer	110-115 microns Minimum two coats recommended for optimum performance, applied by paint roller.
Ambient Air Temperature	+8°C min. / +45°C max.
Substrate Temperature	+10°C min. / +45°C max.

* BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests.

Actual measured data may vary due to circumstances beyond our control.

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METHOD OF APPLICATION

- Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles.
- In existing old terraces with brickbat coba or screeds, the substrate must be checked for its soundness. Damaged or hollow portions, sharp edges, etc. must be cut and removed till the mother slab. The slab should be recoated with slurry of POWERFIX ESSCRETE CRP and cement in 1:1 proportion. After drying, the brickbat coba in that portion should be reinstated by mixing POWERFIX ESSCRETE CRP in the base slurry as well as while doing the top coba. In other areas, where the coba is sound, the surface cracks must be filled with Crack filler or polymer-modified mortar in case cracks are wider than 5 mm.
- Cracks less than 2 mm, should be cleaned free of dust with a vacuum cleaner.
- Apply crack filler in the crack and let it dry. Then pour TERRACOAT into these cracks and wait for it to dry.
- Ensure that the roof slope of a minimum of 1:100
- Bitumen based waterproofing treatments if existing, must be completely removed by mechanical scarification or by any other effective mechanical means.
- Mix well Terracoat by mechanical stirrer up to homogeneous and apply first coat of Terracoat in one direction by brush or roller, wait for 6-8 hrs or up to dry surface. Apply second coat for Terracoat by same process in other direction. Wait for 6-8 hrs or up to proper drying of second coat.

HEALTH & SAFETY PRECAUTIONS

- **Skin Contact:** Wash skin with soap & water. Remove contaminated clothes.
- **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- **Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

STORAGE CONDITIONS:

- Store in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.

SHELF LIFE

- 12 months from the date of manufacturing in unopened condition.

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