

TECHNICAL DATA SHEET

POWERFIX

For those who needs strength...



FLEXICOAT

Two component acrylic polymer modified cementitious waterproofing coating

- **Flexibility:** Provides a flexible & low permeable coating.
- **Water permeability:** Excellent resistance to ingress water.
- **Slip resistant:** Provides slip resistant.
- **Waterproof:** Waterproof for concrete structure.
- **Adhesion:** Excellent adhesion to concrete, natural & artificial stone.



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DESCRIPTION

POWERFIX FLEXICOAT is a two-component cementitious & acrylic flexible waterproofing & protective coating composed of best quality Portland cement graded aggregates, additives and acrylic emulsion polymer as a binder.



PACKAGING

15kg

COLOUR

Grey After Drying

COVERAGE

5 kg Liquid + 10 kg Powder: 8 – 9 m²
in Two Coat.

WORKING PROPERTIES AT 70° F (21° C)

Pot Life : **40 Mins.**

Time to Heavy Traffic : **24 Hrs.**

AREAS OF APPLICATION

- Excellent as a waterproof coating for bathrooms, kitchen sinks, balconies, etc.
- Ideal as a coating for waterproofing of roofs, chhajjas, canopies, etc.
- As waterproof coating on internal sides of domestic water tanks.
- Can be applied over internal damp walls and concrete surfaces due to its excellent bonding.



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TECHNICAL SPECIFICATIONS

PROPERTY : TEST METHOD	SPECIFICATION	RESULTS
Nature	Two Component	PASS
Appearance of mix	Free Flowing slurry	PASS
Colour	Grey/ white (optional)	PASS
Sp. gravity@25oc, g/cc	1.65-1.75	1.69
Crack bridging	No cracking up to 1 mm	PASS
Abrasion resistance, cm/km	0.09	PASS
Port life of the mix @30°C	Min 40 minutes	45 minutes
Elongation at break	Min. 50 % (ASTM D 412:2016)	54%
Adhesion strength	1.0 N/mm ² (ASTM D 7234:2019)	1.13 N/mm ²
Rapid chloride permeability reduction in chloridre iron penetration, %	Min.90% (ASTM C1202:1997)	93.6
Hydrostatic (postitive) water pressure resistance, bar	Min. 7 Bar (DIN 1048)	7.2
Hydraulic (negative) water pressure resistance, bar	Min. 3 Bar (DIN 1048)	3.1
Ponding test, Hrs.	48	PASS

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METHOD OF APPLICATION

- The substrate must be hard, sound, free of dust & make wet the surface slightly with water and remove extra water from the apply area. The entire content of the part a (5 kg) should be poured into a larger mixing vessel & add the part b (10 kg) to the same vessel.
- Mix all the two materials with spiral mixing paddle in a slow speed.
- Apply FLEXICOAT by brush or roller.
- Acrylic Polymer Waterproofing needs to be applied at between 0.8mm to 1.0mm per coat depending on product and application.
- Apply two coats in intervals of 24 hrs.

PRECAUTIONS & LIMITATIONS

Do not mix partially. Mix the entire quantity of both the components at one go.

- Do not dilute.
- Always add powder to liquid to avoid lump formation.
- Do not cure by flooding with water.
- Cure the membrane with moist hessian cloths.
- Pond test for water tightness shall be carried out only after 3-5 days of complete and proper curing.
- Do not use on metal or wooden substrates, on bituminous coverings, to waterproof surfaces direct exposed to traffic and uncovered swimming pools.
- Additionally, for Bathrooms/Wet areas etc. The waterproofing coating should be done on levelled surface and not directly over bricks/blocks walls. The brick/block surface and joints should be levelled with thin coat of polymer modified mortar. The concealed plumbing /electrical conduits area should be cleaned and packed appropriately with Polymer Modified Mortar.

SHELF LIFE & STORAGE

FLEXICOAT Shelf life is 12 months from the date of manufacturing.

- Store in shed, protecting from direct sunlight and away from extreme temperature.
- In extremely hot temperature conditions, store in a temperature-controlled environment i.e. less than 35oC.
- Health & Safety
- Avoid inhalation of dust during mixing.
- Gloves, goggles and dust masks should be worn, during mixing and handling the product.
- Any contact to eyes should be washed immediately with clean water and seek medical advice.

HEALTH & SAFETY PRECAUTIONS

- Avoid contact with skin and eyes.
- Any splashes to the skin or eyes should be washed off with clean water.
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

DURGA BOND CHEM PVT LTD

REGISTERED OFFICE:

FF-01, Surdhara Flats & Shops,
Near Panchsheel Vidyalaya, B/h. Sarswati Complex,
AT & Post : Manjalpur, Vadodara-390011 Gujarat (INDIA)

PRODUCTION UNIT:

Survey No. 177/1, Fajalpur (Ankhi),
Nr. Amar-dadam Temple, Por-Kayavarohan Road.
Ta & Dist: Vadodara - 391340 Gujarat (INDIA)

+91 72 26026 222

+91 72 26027 222

Email: sales@durgabondchem.in

Web: www.durgabondchem.in

