

DURAGARD

Polymer Modified Cementitious Breathable Waterproof/Protective Coating

DESCRIPTION

DURAGARD is a two pack polymer modified cementitious protective/waterproof slurry coating. When it hardens, it arrests dampness, carbonation and efflorescence permanently over concrete/mortar/brick surfaces.

STANDARDS

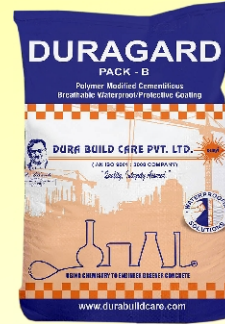
DIN 1048, ASTM C 836, ASTM D 4541.

AREA OF APPLICATION

- Sealing fine cracks upto 0.5 mm.
- Roof/terrace, swimming pool, terrace garden for permanent water proofing with glass fibre mesh, water tanks exterior and interior, basement wall of new buildings.
- Most effective for damp-proofing, arresting carbonation/efflorescence over concrete/mortar/brick work/block work surfaces.

FEATURES & BENEFITS

- Excellent adhesion with long durability.
- Easy to use and apply as needs only mixing at site.
- Non-toxic, anticorrosive to steel and safe on contact with drinking water.
- Excellent protection against carbonation, efflorescence, salt petering chloride attack and freeze thaw cycles.
- Highly UV resistant and excellent breathability.
- Excellent resistance to water ingress from both positive and negative side.



METHOD OF APPLICATION

SURFACE PREPARATION

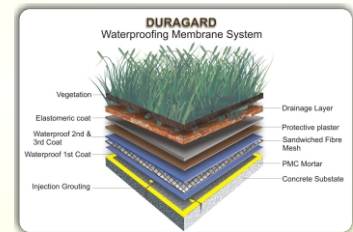
- All surfaces must be sound, clean and free from loose particles, dirt and dust, any oils, grease etc.
- Surfaces already treated with water repellent should be grit/sand blasted.
- Any visible crack should be filled with pasty **DURAGARD**.
- Surfaces should be brought to SSD condition before **DURAGARD** application.

MIXING

- Mix entire pack B (powder) into entire pack A (liquid polymer) in the ratio of 3:1.
- Continue mixing for 20-30 minutes till smooth paintable consistency results.

APPLICATION

- Apply over the SSD surface (followed by laying glass fabric if it is exposed roof more than 10m²) and after 4 to 7 hours apply second coat over the first coat (over glass fabric, second coat may be after 24 hours). Protect the wet coating from rain, moist curing is advisable. If foot traffic prevails, cover the surface with 1:6 Cement / Sand 15 mm thick mortar admixed with **DURATITE LW+**.



TECHNICAL DESCRIPTION

PARAMETERS	PROPERTIES
Mix Ratio (Liquid : Powder)	1 : 3
Fresh Wet Density, kg/m ³	2000
Pot life of the mixed material @ 30°C and @ 60% RH	20-30 minutes
Coverage in two coats	1 m ² to 1.42 per 2 kg of mixed material
Application Temperature	2°C (minimum), 45°C (maximum)
Adhesive Strength kg/cm ² (ASTM D4541)	9.5
Water Permeability (DIN 1048)	Withstands upto 30 m hydrostatic pressure, positive & negative side water head (at 1.5mm DFT).
Water Absorption% (7 day dry + 7 day wet)	Nil
Chloride ion penetration resistance (ASTM C 1202-97)	>88% reduction in rapid chloride permeability against control
Water vapour permeability (ASTM E96)	Breathable
Crack Bridging (ASTM C 836)	No cracking upto 1mm

STORAGE & SHELF LIFE: Store in cool, dry place with 12 months shelf life in unopened conditions.

PACKING: 4kg and 30 kg.

HEALTH & SAFETY : Non-toxic, eco-friendly. Avoid contact with skin or eyes. Wash with copious quantity of water in case of contact. Wear protective clothing.

DURA BUILD CARE PVT. LTD.



In Knowledge Partnership with



Water Proofer's Admixtures
Epoxy products
Flooring Grouts
Repairs Material

AN ISO 9001 : 2008 COMPANY

Corporate Office: 501/1, DDA Building, Plot No. 1, District Centre, Janakpuri, New Delhi - 110058 Phone : 011 - 25050236 / 7. Telefax : 011 - 25050238

Branch Office : 104-106, Dimension Deepti Plaza, Plot No - 3, LSC, Pocket - 6, Nasirpur, Dwarka, New Delhi - 110045 Mob. : +91 - 78380 53191

E-mail : admin@durabuildcare.com, sales@durabuildcare.com Website : www.durabuildcare.com