



WATER GUARD 45

HIGH SOLID CONTENT (45%) ACRYLIC WATERPROOFING COATING

DESCRIPTION

WATER GUARD 45 is a heavy duty acrylic base waterproof coating which when mixed with cement forms a durable and highly water-resistant matrix to give 100% waterproof surface. WATER GUARD 45 has excellent flexibility and bonding with concrete, breathing properties, water resistance, crack bridging properties, weathering durability.

AREAS OF APPLICATION

- ✓ Foundations, basements & lift pits
- ✓ Terrace Gardens
- ✓ Sunk portion of bathrooms, toilets, balconies, etc.

FEATURES & BENEFITS

- ✓ Bonds strongly on cement concrete, cement plastered applied surfaces.
- ✓ Improves waterproofing properties when mixed with cement.
- ✓ Can be applied in moist conditions e.g: exteriors, terraces and chajjas in wet spells of monsoon, Underground and/ or overhead water tanks almost immediately after emptying.
- ✓ Alkaline and compatible with concrete

Constro Chem India Pvt Ltd

201,Shruthi tower ,Near Parsik Janta Bnak ,Kalwa Naka,Kalwa ,Thane -400605 . Mobile :+91-9323244244
Email : Sales@constrochemindia.com



METHOD OF APPLICATION

Waterproofing

Surface preparation

- ✓ Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.
- ✓ Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid feather edging & to provide strong bond.
- ✓ Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scabbling or grit blasting.
- ✓ For priming of concrete substrate, the surface should be thoroughly saturated with
- ✓ Potable water. Remove any excess water prior to application.
- ✓ As a Waterproofing Coating
- ✓ For a waterproofing coating Mix WATER GUARD 45 : Cement in the ratio 1:1 by volume
- ✓ Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding cement to WATERGUARD 45 until the required consistency is achieved
- ✓ Brush apply 2 coats of the mix in a duration of 4-6 hours on the prepared concrete substrate
- ✓ Cover the coating with a protective screed to the desired slope & thickness

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TECHNICAL DATA

- ✓ Chemical Base: Acrylic copolymer with Special Additives
- ✓ Density: 1.35 kg/ltr (at +27°C)
- ✓ Solid Content: 45%
- ✓ Crack Bridging Ability > 1.5 mm
- ✓ System Film Thickness: DFT one coat including primer: 60 - 70 microns Minimum two coats recommended for optimum performance
- ✓ Total system thickness (DFT) = 110- 115 microns (primer with two coats).
- ✓ Applied by paint roller.

COVERAGE

As a waterproofing coating: 30-35 sq.ft./ kg in 2 coats

PACKING

5 kgs., 20 kgs.

SHELF LIFE

12 months in original packing if stored at room temperature i.e.25°C

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