

## WATER GUARD -45

### (High solid content 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.

#### ADVANTAGES:

- 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 chhajja in wet spells of monsoon, Underground and/ or overhead water tanks almost immediately after emptying.
- Alkaline and compatible with concrete.

#### TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Chemical Base	Acrylic copolymer with Special Additives
2	Solid Content	45 %
3	Density	1.38 kg/ltr (at +27°C)
4	pH	7-9
5	Tensile Strength	1.5 N/mm <sup>2</sup> (ASTM D 412)
6	Tensile Adhesion Strength	1.2 N/mm <sup>2</sup> (ASTM D 7234)
7	Elongation @ Break	100% (ASTM D 412)

## DIRECTION FOR USE:

- 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 WATER GUARD- 45 until the required consistency is achieved.
- Brush applies 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.

## COVERAGE:

1 Kg                      Covers 30-35 Sq. ft

## STORAGE & SHELF LIFE:

Store away from direct sunlight. 1 year in tightly sealed container.

## SAFETY PRECAUTIONS:

Wear gloves, goggles, and mask to avoid skin and eye contact. WATER GUARD- 45 is non-toxic, non-flammable and non-hazardous. However, any splashes on any part of the human body must be washed with plenty of water.

