

# SEEP GUARD SEEP BLOCKER 2K



## White cementitious + Polymerised 2K waterproof coating for bathroom, kitchen & interior walls

A high performance two-component cementitious coating that effectively blocks water seepage and possesses exceptional elasticity. Engineered with premium White Portland cement, meticulously selected White Silica sand, specialised additives, and an Acrylic Polymer emulsion for enhanced durability and crack resistance.

### Application Areas

- ▶ Positive & negative side for Waterproofing on specially Masonry surfaces like Brick wall, AAC wall, Hollow Block Wall, Concrete slab, etc.
- ▶ Sunken areas like Bathrooms, Kitchen Sinks
- ▶ Interior walls of Living Rooms, Bedroom, etc.

### Product Features & Benefits

- ▶ **Highly Water Resistant:** Waterproofing protection of up to 5 bars of positive & negative hydrostatic pressure
- ▶ **Adhesion:** Displays strong adhesion to concrete, brickwork and corrugated asbestos cement sheets
- ▶ **Durability:** Safeguards the building surface against the damage caused by leakage and seepage
- ▶ **Elastomeric:** It has highly elastomeric properties to withstand stress resulting from thermal expansion & contraction. It offers remarkable elongation up to 90% at break
- ▶ **Crack Bridging:** Excellent crack bridging properties due to presence of German Elastomeric polymers
- ▶ **Food Grade Certified:** The product is certified from Central Food Technological Research Institute and is safe to be applied in water tanks, reservoirs, etc.
- ▶ **High Solid Content:** The acrylic polymer has high solid content which offers remarkable waterproofing properties
- ▶ **Use & Maintenance:** This is a two-component pack containing white cement-based polymer modified powder and acrylic liquid
- ▶ **Anti-Efflorescence:** This product resists Efflorescence & provides long lasting effect
- ▶ **Anti-Carbonation:** Guards the concrete structure from the effects of carbonation
- ▶ **Eco-friendly:** Zero Volatile Organic Compound (VOC)
- ▶ **Algae & Fungi Resistant:** Prevents build-up of algae and fungi on the surface
- ▶ **Warranty:** This product provides 3 years waterproofing warranty

### Packaging

3 Kg, 15 Kg

# TECHNICAL INFORMATION

Properties	Seep Guard Seep Blocker 2K	Test Method
Mix Ratio by weight (Powder: Liquid)	2:1	
Surface Dry Time (minutes)	45	ASTM D1640
Recoatibility Time, Hrs	3 - 5	
Elongation at Break (%)	92	ASTM D2370-2016
Crack Bridging (mm)	No cracking up to 1.49 mm	EN 1062-7-2004
Water Permeability (Against Hydrostatic Pressure) (Bar)	Positive: Nil @ 5 bar Negative: Pass @ 5 bar	EN 12390-8-2019
Pull-off Adhesion Strength, 14 days (n/mm <sup>2</sup> )	0.90	ASTM D7234-2022
Tensile Strength (n/mm <sup>2</sup> )	1.45	ASTM D2370-2016
Food Grade Certification	Pass	CFTRI Certification
Water Vapor Transmission, (g/m <sup>2</sup> /day)	30	ASTM E 96:2022
Coverage (One coat) (Sq. ft/Kg) *	10 - 12	
Coverage (Two coats) (Sq. ft/Kg)*	7.5 - 8.0	
Alkali Resistance	No colour change	IS 15489
Fungal Resistant	Zero rating	ASTM G 21
Pot Life @ 27°C	3.5 hrs	Third-party test result

\*This value is on ideal concrete surface; however, this may change according to surface pattern/ texture.



## Shelf Life

12 months from the month of manufacture in unopened & proper storage conditions.



**Superior Coverage**



**Unmatched Adhesion**



**Highly Water Resistant**



## HOW TO APPLY

### Surface Preparation

- ▶ Ensure that the plumbing system is leak-free with a pressure test. Rectify the leakages if present before commencement of waterproofing application
- ▶ Remove all the loosely adhering material like dirt, dust, organic solvent (de-shuttering/curing free compound) & oil etc. from the surface by using emery paper, chisel, or wire brush etc.
- ▶ In case of efflorescence, remove the plaster up to the brick level and clean the masonry surface thoroughly
- ▶ Surface cracks (less than 3 mm) must be filled by Seep Guard Crack End & bigger cracks (more than 3mm), honeycombing in concrete, damaged portion and hollow areas must be repaired by polymer modified mortar/ polymer modified fibre reinforcement repair mortar before application
- ▶ Surface should be pre-wetted to make saturated surface dry (SSD) condition.(polymer cement modified mortar product)

### Mixing

- ▶ Mixing ratio - Powder: Liquid = 2:1
- ▶ Slowly add 2 Kg of powder product with 1 Kg of liquid polymer to make slurry
- ▶ Mixing should be carried out preferably by a mechanical stirrer (3-5 minutes)
- ▶ Leave the slurry for 5 minutes after thorough mixing to release trapped air, to get the best performance. Prepared slurry should be used within the pot life

### Product Application

- ▶ After thorough mixing apply the first coat of Seep Blocker 2K on the clean & dry wall/substrate surface uniformly with the help of painting brush

- ▶ Allow the surface to dry for at least 5-6 hours & then apply second coat of the product. Application of second coat must be applied in crosswise direction for better results
- ▶ The total thickness of both the coats should be limited to maximum 1 to 1.2 mm
- ▶ Waterproofing should be carried at least 300 mm on the vertical surfaces above the floor finish level. For the splash zone of shower in bathroom, the waterproofing should be carried out to 1.8 metre to 2.1 metre. In other wet areas the vertical surface should be waterproofed for a minimum height of 150 mm
- ▶ The treatment should be left as is for 3-5 days to air cure before carrying out ponding test.

### Ponding Test

- ▶ Conduct a 48-hour ponding test at a 50mm depth after closing all outlets and address any water seepage or leakage with remedial actions

### Protective Screed

- ▶ Upon successful completion of the ponding test, apply at least 2 - 3 mm Birla White Levelplast or Spatterdash made of Cement, SBR Latex polymer and coarse sand (1:1:1.5) over the Seep Guard Seep Blocker 2K coated surface to improve the adhesion
- ▶ After 24-48 hrs, apply cement slurry (Cement : Water : 2 : 1.2) the applied surface followed by 12 - 15 mm plaster (Cement : Sand : : 1 : 4) before the slurry hardens to give a smooth finish
- ▶ If drainage pipes are laid on floor, the minimum thickness of screed should be 20 mm

### For Interior Vertical Walls

- ▶ Allow the plastered surface to cure for 7 days before the application of two coats of Birla White WallSeal Waterproof Putty
- ▶ Apply Birla White ActivCoat Interior Primer followed by topcoat paint to get superior finished surface



# SEEP GUARD<sup>TM</sup>

WATERPROOFING SOLUTIONS

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*White Cementitious + Acrylic Waterproof coating*

