

# SEEP GUARD SEEP BLOCKER PRO 2K



## High Performance white cementitious + Polymerised 2K waterproof coating for roofs, water tank and swimming pool

An exceptional performance two-component acrylic polymer-modified cementitious coating that ensures strong bonding, superior waterproofing, and excellent resistance to hydrostatic water pressure. It is formulated with high-grade White Portland cement, meticulously graded White Silica sand, special additives, and Acrylic Polymer emulsion as a binder. By creating a highly elastic seamless coating on applied concrete or masonry surfaces, it delivers reliable protection against water damage.

## Application Areas

- ▶ Positive & negative side for Waterproofing on specially Masonry surfaces like Brick wall, AAC wall, Hollow Block Wall, Concrete slab, etc.
- ▶ Building Roofs & Terraces, Balconies, etc.
- ▶ Water retaining structures like Swimming Pools, Water Tanks, 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 greater than 170% 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.
- ▶ **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

- ▶ 12 Kg

# TECHNICAL INFORMATION

Properties	Seep Guard Seep Blocker Pro 2K	Test Method
Mix ratio by weight (Powder: Liquid)	3:2	
Surface Dry Time, minutes	60	ASTM D1640
Recoatability Time, Hrs	3 - 5	
Elongation at Break (%)	174	ASTM D2370-2016
Crack Bridging (mm)	No cracking up to 2.41 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> )	1.10	ASTM D7234-2022
Tensile Strength (n/mm <sup>2</sup> )	1.22	ASTM D2370-2016
Food Grade Certification	Pass	CFTRI Certification
Water Vapor Transmission, (g/m <sup>2</sup> /day)	26	ASTM E 96:2022
Coverage (Two coats) (Sq. ft/Kg)*	7.5 - 8.0	
Coverage (Three coats) (Sq. ft/Kg)*	3.8 - 4.3	
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  
Elongation**



**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 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 surface saturated dry (SSD) condition

### Mixing

- ▶ Mixing ratio - Powder: Liquid = 3:2
- ▶ Slowly add 7.2 Kg of powder product with 4.8 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 Pro 2K evenly with a paintbrush on the prepared surface
- ▶ Let the surface dry for 5-6 hours, then apply the second coat of Seep Blocker Pro 2K in a crosswise direction for better results

### ▶ For Roofs and Terraces

- ▶ Post first coat, apply a reinforcement layer of fibre glass cloth when the first coat is wet and allow it to touch dry for 2 - 4 hours
- ▶ Apply 2nd coat and 3rd coat of Seep Blocker Pro 2K in crosswise direction for better results, interval between two coats at least 6 to 8 hrs. (Drying depends on ambient temperature)
- ▶ The overall consumption should be 1 Kg slurry in 4.3 sq.ft. area in 3 coats
- ▶ The treatment for all application areas 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 50 mm depth after closing all outlets and address any water seepage or leakage with remedial actions

### Protective Screed

- ▶ After successful 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 screed's minimum thickness should be 20 mm
- ▶ **For Roofs and Terraces (Brick Bat Coba Waterproofing)**
  - ▶ Upon successful completion of the ponding test, lay brick bats (broken bricks) using an integral waterproofing compound
  - ▶ Give finishing on the top with China mosaic overlay with 20mm thick bed mortar of cement and sand in ratio 1:4, admixed with integral waterproofing compound



# SEEP GUARD<sup>TM</sup>

WATERPROOFING SOLUTIONS

## SEEP BLOCKER PRO 2K

*High Performance White Cementitious +  
Acrylic Waterproof coating*

