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
- Waterproofing: 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.
- Elongation: 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.
- 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
- 12 Kg
**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 3mm) must be filled by crack filler products & 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 50mm depth after closing all outlets and address any water seepage or leakage with remedial actions.

**Protective Screed**

- After successful ponding test, apply a 10mm Cement/Sand (1:4 ratio) protective screed with an integral waterproofing compound over the membrane.
- 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.
## TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Properties</th>
<th>Seep Guard Seep Blocker Pro 2K</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix ratio by weight (Powder: Liquid)</td>
<td>3:2</td>
<td></td>
</tr>
<tr>
<td>Surface Dry Time, minutes</td>
<td>60</td>
<td>ASTM D 1640</td>
</tr>
<tr>
<td>Recoatibility Time, Hrs</td>
<td>3 - 5</td>
<td></td>
</tr>
<tr>
<td>Elongation at Break (%)</td>
<td>174</td>
<td>ASTM D2370-2016</td>
</tr>
<tr>
<td>Crack Bridging (mm)</td>
<td>No cracking up to 2.41 mm</td>
<td>EN 1062-7-2004</td>
</tr>
<tr>
<td>Water Permeability (Against Hydrostatic Pressure) (Bar)</td>
<td>Positive: Nil @ 5 bar Negative: Pass @ 5 bar</td>
<td>EN 12390-8-2019</td>
</tr>
<tr>
<td>Pull-off Adhesion Strength, 14 days (n/mm²)</td>
<td>1.10</td>
<td>ASTM D7234-2022</td>
</tr>
<tr>
<td>Tensile Strength (n/mm²)</td>
<td>1.22</td>
<td>ASTM D2370-2016</td>
</tr>
<tr>
<td>Food Grade Certification</td>
<td>Pass</td>
<td>CFTRI Certification</td>
</tr>
<tr>
<td>Water Vapor Transmission, (g/m²/day)</td>
<td>26</td>
<td>ASTM E 96:2022</td>
</tr>
<tr>
<td>Coverage (Two coats) (Sq. ft/Kg)*</td>
<td>7.5 - 8.0</td>
<td></td>
</tr>
<tr>
<td>Coverage (Three coats) (Sq. ft/Kg)*</td>
<td>3.8 - 4.3</td>
<td></td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>No colour Change</td>
<td>IS 15489</td>
</tr>
<tr>
<td>Fungal Resistant</td>
<td>Zero rating</td>
<td>ASTM G 21</td>
</tr>
<tr>
<td>Pot Life @ 27°C</td>
<td>3.5 hrs</td>
<td>Third-party test result</td>
</tr>
</tbody>
</table>

*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.