

# SEEP GUARD HORIZONTAL SURFACES



## White Cementitious One Component Heat Reflecting Waterproof Coating for Roofs & Terraces

Seep Guard Horizontal Surfaces is a Polymer Modified, White Cementitious, High Performance Coating System for horizontal RCC, concrete & cementitious surfaces. It is formulated with German polymer and white cement. It combines the benefits of heat reduction and waterproofing in a single product.

### Application Areas

- ▶ All types of new & existing horizontal concrete, RCC & Cementitious surfaces
- ▶ Building roofs & terraces, Water Tanks, Balconies, Swimming pools, Basements, Parking

### Product Features & Benefits

- ▶ **Highly Water Resistant:** Waterproofing protection of up to 7 bars of positive hydrostatic pressure
- ▶ **Adhesion:** Very strong adhesion with RCC, concrete & cementitious surfaces
- ▶ **Durability:** Protects your building surface from leakage & seepage damages
- ▶ **Crack Bridging:** Excellent crack bridging properties due to presence of German Elastomeric polymers
- ▶ **Use & Maintenance:** This is a single pack, white cement-based polymer modified powder product
- ▶ **Anti-Efflorescence:** This product resists Efflorescence & provides long lasting effect
- ▶ **Heat Reflective and UV Resistant:** It is superior UV resistant reflective coating & provide heat reduction by 6-8°C, when applied on surfaces exposed to sunlight
- ▶ **Eco-friendly:** Zero Volatile Organic Compound (VOC)
- ▶ **Algae & Fungi Resistant**
- ▶ **Warranty:** This product provides 8 years waterproofing warranty
- ▶ **Food grade certified:** The product is certified from Central Food Technological Research Institute and is safe to be applied in water tanks, reservoirs, etc.

### Packaging

- ▶ 15 Kg

# TECHNICAL INFORMATION

Properties	Seep Guard Horizontal Surfaces	Test Method
Tensile Adhesion Strength (pull off) (n/mm <sup>2</sup> ) @ 28 days	2.21	ASTM D7234
Water Impermeability (Against Hydrostatic Pressure) (Bar)	Positive: Nil at 7 bar & 4mm @10 bar Negative: Pass @ 5 bar	EN 12390-8:2000
Crack Bridging (MM)	No cracking up to 2.10 mm	EN 1062-7
Alkali Resistance	No colour change	IS 15489
Fungal Resistant	Zero rating	ASTM G 21
Coverage* Horizontal Surface: Three coats on RCC/concrete surface (Priming coat with 100% + Two coat with 60-65%, Sq.ft./Kg)	12-13	In-House
Pot Life (hours)	1.5	In-House
Reduction of surface temp. at Noon time (°C)	6-8	In-House
Food Grade Certification	Pass	CFTRI Certification

\*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.



**Highly Water Resistant**



**Surface Temperature Reduction**



**UV Resistant**



## HOW TO APPLY

### Surface Preparation

- ▶ 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, surface should be cleaned thoroughly to remove all loose particles from the surface
- ▶ Wash the surface properly with clean water & allow the surface to dry completely before application of the product
- ▶ Surface cracks must be filled (<3mm) by Seep Guard Crack End & bigger cracks, damaged portion and hollow areas must be repaired by Birla White Levelplast (polymer cement modified mortar product)

### Priming Coat

- ▶ Slowly add 1 Kg of the product with 100% clean water (1 Kg of the product + 1000 MI water) to make slurry

- ▶ Leave the slurry for 5 minutes after thorough mixing to get best performance. Prepared slurry should be used within 1-1.5 hours
- ▶ After thorough mixing apply priming coat on the clean & dry wall/substrate surface uniformly with the help of painting brush/roller

### 1<sup>st</sup> and 2<sup>nd</sup> Coat

- ▶ Slowly add 1 Kg of the product with 60-65% clean water (1 Kg of the product + 600-650 MI water) to make slurry
- ▶ Mixing should be carried out preferably by a mechanical stirrer (3-5 minutes)
- ▶ After thoroughly mixing, apply two coats of the product in a crosswise direction at 4-6 hour intervals for better adhesion and coverage
- ▶ For best performance on terrace, ensure that the product is applied on the entire roof including parapet wall
- ▶ The total thickness of both the coats should be limited to maximum 1.5 mm



# SEEP GUARD™

WATERPROOFING SOLUTIONS

HORIZONTAL SURFACES

