

ShaliCem[®] FWP

2K Cementitious Flexible Waterproof Coating



STP Limited

Description

ShaliCem[®] FWP, cementitious waterproofing coating /additive for concretes, is ready to use two component flexible waterproof coating based on acrylic polymer.

It conforms to IS 6582 (compatibility with drinking water) and ASTM D 2370.

Characteristics - Physical

Pot Life @ 30 °C	45 minute	Water Absorption %	2 - 3
Mix density, grm / cc	2.0	Application Temperature, °C	> 10 to < 40
Recoating time, 30 °C, hr		Theoretical Coverage, kg/m ² *	1.6 kg for 1 mm thickness
• Minimum	2		
• Maximum	6		

* Depending upon surface condition.

Characteristics - Technical

Properties	Standard	Result
Elongation after 28 days %	ASTM C-412	10 - 15
Tensile strength after 28 days	ASTM C-412	0.35 - 0.40
Shore A Hardness	ASTM D-2240	75 - 85
Adhesion to Concrete, MPa	ASTM D-4541	Excellent

Application

- Sunken.
- Small planters.
- Terrace & Balconies.
- Basement and underground structure.

Advantages

- UV Resistant.
- Exhibits good water proofing character.
- Flexible.

Application Methodology

➤ Surface Preparation

- Ensure that structure is sound and free from dirt, soil, oil release agents, laitance and any other foreign materials which may impair the bond, penetration and/ or the overall performance of **ShaliCem[®] FWP**.
- Chemically remove any efflorescence, form oil, mould etc.
- Repair any cracks, honeycombed pockets or holes by PlastiSeal P or Polymer Mortar.
- Ensure to dampen walls for an hour before application and keep damp allowing moisture to soak in. Wet dense concrete at least twice, not less than 30 minutes apart. Surface must be damp during application. Do not allow standing water.

➤ **Material Preparation**

- Mix in a clean container by slowly adding powder into liquid in the ratio of 4 : 1 by weight and stirring with slow speed Jiffy Mixture till homogenous mix free from lumps is achieved. Crush any globules formed in the mix.

➤ **Application of Material**

- Prime the area with slurry by mixing one part of ShaliCrete with two parts of neat cement i.e. in the ratio 1 : 2 (if necessary).
- Apply **ShaliCem® FWP** on clean and dampen surface with stiff fibre brush. Scrub well into the damp wall filling all pores with **ShaliCem® FWP**.
- Apply second coat when the first coat is touch dry.
- Dry for 8 hr before moist curing. Do not apply water through a hose or pressurized nozzle.
- Light spray of water may be required between coats in hot/ dry climates.
- When surface becomes hard enough, fog spray with clean water keeping wall damp for 3 days. Hotter the weather, more critical the curing. Light spraying of water is recommended more frequently and for several days.
- Apply 15 – 25 mm PCC to protect the treated surface, if traffic is expected on such surface.

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 50 Kg unit pack consist of Component A – 10 Kg and Component B – 40 Kg.

Storage

Store in a cool dry place, under shed, away from heat.

Shelf Life

6 months in original unopened sealed condition.



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