

ShaliCem[®] EWP

2K Cementitious Elastomeric UV Resistant Waterproofing Coating



STP Limited

Description

ShaliCem[®] EWP, cementitious waterproofing coating / additive for concretes, is ready to use two component UV resistant coating carefully graded aggregates in combination with selected acrylic polymer and synthetic resins. **ShaliCem[®] EWP** is highly recommended to waterproof concrete.

ShaliCem EWP[®] AR is ready to use two component UV resistant coating with Anti-root properties. **ShaliCem EWP[®] AR** is primarily used for in waterproofing of landscaping area

Characteristics - Physical

Pot Life @ 30 °C, hr	1	Mixed Density	1.80 approx.
Theoretical Coverage*, kg / m ² *	1.6 kgs for 1 mm thickness	Application Temperature	> 10 °C - <40 °C
		Recoating time @ 30 °C	Minimum 12 hr and maximum 24 hr

* Depending upon surface condition.

Characteristics - Physical

Properties	Standard	Result
Elongation after 28 days %	ASTM D-412	80 ± 10
Tensile strength after 28 days, MPa	ASTM D-412	0.8
Adhesion to Concrete, MPa	ASTM D-4541	> 0.7

Application

- All masonry surfaces both inside and outside.
- Basements, tunnels, machinery pits, cisterns, reservoirs.
- Roofs and Terraces.
- Swimming pools, Toilets, water retaining structures.

Advantages

- UV Resistant.
- Exhibits good water proofing character.
- High Flexibility.

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[®] EWP**.
- Chemically remove any efflorescence, form oil, mould etc.
- Repair any cracks, honeycombed pockets or holes by PMC mortar or PlastiSeal P.
- 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

- Add Component B into a suitable container containing and thereupon, add Component A slowly whilst mixing thoroughly mix it preferably in a Jiffy Mixer.
- Crush any globules formed to make uniform paste and continue mixing.

➤ 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.
- Apply **ShaliCem® EWP** on clean and dampen surface with stiff fibre brush. Scrub well into the damp wall filling all pores and finish with final stroke in one direction. Keep a wet edge.
- Apply second coat when the first coat is touch dry.
- Allow to dry for 24 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 waterproofed surface damp for 3 days. Hotter the weather, more critical the curing. Light spraying of water is recommended more frequently and for several days.
- For better properties one may go for ShaliCem EWP 150 or ShaliCem EWP 200, which are the superior grades of ShaliCem EWP. For lucrative coloured finish, Apply 1 - 2 coat of ShaliCryl TC 100 E as a top coat. It will provide excellent water repulsive, dust pick-up resistant and easy washable surface as well.

➤ Protection of Waterproofing

- Apply 25 mm PCC admixed with ShaliPlast PCE 200 to protect the treated surface. Alternatively, for trafficable roof, use ShaliProtek PU HA coating.

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 pack consist of 37 Kg powder and 13 Kg polymer.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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