

ShaliCem[®] EWP 150

2K Cementitious Flexible UV Resistant Waterproof Coating



STP Limited

Description

ShaliCem[®] EWP 150 (formerly known as ShaliCem EWP) is a two component, UV resistant, flexible, cementitious, waterproof, ready to use coating, consisting of carefully graded aggregates and special acrylic polymer, **having 150 % elongation**

After curing, **ShaliCem[®] EWP 150** gives a roll-able, highly flexible tough coating.

ShaliCem[®] EWP 150 is approved by CFTRI and, therefore, can be used for waterproofing surfaces coming in contact with potable water.

ShaliCem[®] EWP 150 conforms to IS : 10500 : 2012 for drinking water as it meets chemical and microbiological requirements prescribed in the standard.



Approved

Characteristics - Physical

Pot Life @ 30 °C, hrs	1	Application Temperature, °C	10 to 40
Theoretical Coverage*, kg / m ² for • 1.0 mm thickness • 1.5 mm thickness	1.6	Touch Dry Time @ 30 °C, hrs	1
	2.4	Recoating Time @ 30 °C, hrs	5 - 6
Mixed Density, approx	1.80	Full cure Time @ 30 °C, days	4 - 5

* Depending upon surface condition.

Characteristics - Technical

Properties	Standard	Result
Elongation after 28 days %	ASTM D 412	150 ± 10
Tensile strength after 28 days MPa	ASTM D 412	1.2 ± 0.1
Adhesion to Concrete, MPa	ASTM D 4541	> 0.7
Crack bridging ability, mm	ASTM C 836	Up to 2
Static puncture resistance, bar pressure	ASTM D 5602	Up to 3
Permeability at 5 kg / cm ² , ml	IS 3508	3

Application

- Washroom, kitchen, balconies, and other cementitious surface - both inside and outside.
- Water retaining structures.
- Basements, machinery pits, cisterns, reservoirs.
- Roofs and Terraces.

Advantages

- Food grade.
- Highly flexible, in fact roll-able thus withstanding surface cracking.
- High tensile strength.
- Excellent adhering strength with the cementitious substrate.

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 150**.

- 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 desired quantity Component A (powder) into Component B (liquid) while mixing with a slow speed mixture fitted with a suitable mixing paddle for 3 minutes till homogenous slurry is obtained.
- Crush any globules formed to make uniform paste and continue mixing.
- After stirring, wait for the product to settle for 5 minutes, in order to let entrapped air escape.

➤ **Application of Material**

- Dampen the prepared surface.
- Prime the area with slurry by mixing one part of ShaliCrete with two parts of neat cement in the ratio 1 : 2.
- Apply **ShaliCem® EWP 150** on clean and primed surface with stiff fibre brush. Scrub well into the surface filling all pores and finish with final stroke in one direction. Keep a wet edge.
- Apply second coat in cross-wise direction to the first 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.
- Apply 25 mm PCC admixed with ShaliPlast PCE 200 to protect the treated surface. Alternatively, for trafficable roof, use ShaliProtek PU TC WB 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 34 Kg powder and 16 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 & Insulation
- Road Surfacing
- Sealants & Adhesives
- Pipeline Coatings
- Protective/Anti-Corrosion Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Other Construction Chemicals



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