

ShaliCem® EWP 200

2K Cementitious Flexible UV Resistant Waterproof Coating



STP Limited

Description

ShaliCem® EWP 200 is two component, UV resistant, flexible, cementitious, waterproof, ready to use coating, consisting of carefully graded aggregates and special acrylic polymer, **having 200% elongation**.

After curing, **ShaliCem® EWP 200** gives a roll-able, highly flexible tough coating.

ShaliCem® EWP 200 conforms to specifications of USFDA and, therefore, can be used for waterproofing surfaces coming in contact with potable water.

Characteristics – Physical

Mixing Ratio (w / w)	Component A - Grey Powder, Component B - Milky White Liquid Component A : Component B = 12.4 : 7.6 (For 20 kg) / 31 : 19 (For 50 kg)		
Pot Life @ 30°C, hrs.	1	Application Temperature, °C	10 to 40
Theoretical Coverage*, kg / m ² for		Touch Dry Time @ 30°C, hrs.	1
• 1.0 mm thickness	1.6	Recoating Time @ 30°C, hrs.	5 - 6
• 1.5 mm thickness	2.4		
Mixed Density (approx.), gm / cc	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	200 ± 10
Tensile strength after 28 days MPa	ASTM D-412	1.2 ± 0.1
Adhesion to Concrete, MPa	ASTM D-4541	> 0.7

Application

- Washroom, kitchen, balconies, and other cementitious surfaces - 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 200**.
- Chemically remove any efflorescence, form oil, mold, 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 200** 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 hrs. before moist curing. Do not apply water through a hose or pressurised 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**[®] **IW** 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 20 & 50 kg pack.

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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