

# ShaliCem EWP 20

2K Cementitious Elastomeric Waterproofing Coating



STP Limited

## Description

**ShaliCem EWP 20** is ready to use two component coating based on cement with carefully graded aggregates in combination with selected admixtures and synthetic resins. **ShaliCem EWP 20** is highly recommended to waterproof concrete.

**ShaliCem EWP 20** can be provided with Anti-root properties to be used in waterproofing of landscaping.

## Characteristics

Pot Life @ 30 °C	45 minute	Water Absorption %	1.86
Shore A Hardness	70-75	Application Temperature, °C	> 10 to < 40
Adhesion to Concrete	Excellent	Elongation after 28 days %	40 - 45
Recoating time, 30 °C, hr • Minimum • Maximum	12	Theoretical Coverage, kg/m <sup>2</sup> *	2.7 kg for 1.5 mm thickness
	24	Tensile strength after 28 days MPa	0.40 - 0.43

\* Depending upon surface condition.

## 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

- 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 20**.
- Chemically remove any efflorescence, form oil, mould etc.
- Repair any cracks, honeycombed pockets or holes by Shalimar Dam-It or PlastiSeal.
- 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.
- Prime the area with slurry by mixing one part of ShaliCrete E with two parts of neat cement i.e. in the ratio 1 : 2.
- 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.
- Apply **ShaliCem EWP 20** 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.
- Apply 15 – 25 mm PCC to protect the treated surface, if traffic is expected on such surface.

- 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.

### Health & Safety

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice.
- Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

### Packing

Available in 10 kg unit packed in 20 kg box.

### Storage

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

### Shelf Life

12 months in original unopened sealed condition.

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