

ShaliFlex[®] WB

Elastomeric Solvent Free Waterproofing Coating



Description

ShaliFlex[®] WB is single component elastomeric, solvent free polymeric dispersion for wet area waterproofing. **ShaliFlex[®] WB** is elastomeric in nature when cured and provides excellent waterproofing for various applications.

Characteristics - Physical

Appearance	Viscous Emulsion	Pot life, minutes @ 20 °C	60
Density, kg / L @ 30 °C	1.26	Application Temperature, °C	5. to 40
Theoretical coverage kg / m ² for 0.8 mm * in two coats	1.3	Service Temperature, °C	-10 to + 45
Recoatable, hr		Drying time, hr @ 20 °C	
• Open to tiling	6	• Tack free	4
• Full Cure	48	• Trafficable	6

* Depending upon surface condition.

Characteristics - Technical

Property	Standard	Result
Elongation, % @ 20 °C	ASTM D-412:98	135
Tensile strength, MPa	ASTM D-412:98	0.95
Hardness Shore A	ASTM D-2240	45
Crack bridging, mm @ 0.8 mm DFT	ASTM D-836	> 0.75

Application

Waterproofing of sunken floors, bathroom, kitchen, Service area.
Waterproofing of Lift base floor.
Facade damp proofing.
Under tile waterproofing.

Advantages

Can be applied on damp surface.
Water based product, environment friendly.
Non toxic, VOC free.
Cold applied, seamless and joint less coating.
Excellent Impermeability.
Flexible.

Application Methodology

➤ Substrate Preparation

- Remove dust, flakes, or other foreign particles by air jet and clean the surface mechanically to make it smooth.
- Remove any oily patches, visible curing compound using detergent solution followed by water wash and dry it.
- Highly uneven surface should be leveled with ShaliFloor SLUL 1C.
- Repair all cracks in the substrate properly.
- Plaster, render must have minimum compressive strength of 3 MPa.

➤ Material Preparation

- Stir **ShaliFlex[®] WB** by a slow speed mixture (approx. 400 rpm) fitted with a suitable mixing paddle to ensure a homogenous mix.

- After stirring, wait for the product to settle in order to let entrapped air escape.

➤ **Application of Material**

- Prime absorbent substrate with ShaliCrete with 1:0.5 dilution with water by volume with a spreading rate of 3 m² / L.
- Allow it to dry before application of **ShaliFlex® WB**.
- Apply 1st coat of **ShaliFlex® WB** @ 0.65 kg / m² to achieve a thickness of 0.4 mm with a 4 mm notched trowel. Smoothen it with soft brush. Allow 1st coat to dry for 5 to 6 hrs.
- Similarly, apply 2nd coat @ 0.65 kg / m² for another 0.4 mm over a dried first coat perpendicular to the 1st coat.

➤ **Protection Layer**

- Apply Tile glue for tiling when the water proof coat has hardened. Hardening time will be longer in rooms of low air ventilation and high humidity.
- For waterproofed area, where tiling is not specified, protect **ShaliFlex® WB**, in case of
 - trafficable - with ShaliCryl 215
 - Non-trafficable roof - with a protection layer of screed in the ratio of 1:2:4 (Cement:Sand:Aggregates) admixed with water : ShaliCrete in the ratio of 80:20.

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 5 kg and 20 kg plastic can.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



STP's Businesses
Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Protective / Anti-Corrosive Coating
GARA (Grouts & Admixtures)
Sealant & Additives
Repairs & Rehabilitation
Epoxy Flooring

