

# ShaliFlex® WB

Elastomeric Solvent Free Waterproofing Coating



STP Limited

## 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 <sup>2</sup> 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 m<sup>2</sup> / L.
- Allow it to dry before application of **ShaliFlex® WB**.
- Apply 1<sup>st</sup> coat of **ShaliFlex® WB** @ 0.65 kg / m<sup>2</sup> to achieve a thickness of 0.4 mm with a 4 mm notched trowel. Smoothen it with soft brush. Allow 1<sup>st</sup> coat to dry for 5 to 6 hrs.
- Similarly, apply 2<sup>nd</sup> coat @ 0.65 kg / m<sup>2</sup> 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 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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