

ShaliBond S

Two Component Segmental Bridge Epoxy Adhesive



STP Limited

Description

ShaliBond S is a two component, solvent free, thixotropic, structural adhesive especially formulated for segmental bridge construction. **ShaliBond S** meets the requirements of FIP and ASTM D 648.

Characteristics

Colour <ul style="list-style-type: none">• Component A• Component B• Mix	White Black Concrete grey	Compressive Strength @ 15 °C <ul style="list-style-type: none">• 24 hours• 7 days	>50 >70
Heat resistance, @ 50 °C (Shear stress), MPa	12.9	Pot Life @ 30 °C, minutes	30
Shear Strength, N / mm ²	> 12	Substrate Temperature, °C <ul style="list-style-type: none">• Minimum• Maximum	15 35
Open time @ 30 °C, minute	60	Mix Density, Kg / L	1.90
Theoretical Coverage L / m ² *	2 L at 2 mm	Sag Flow, mm	3
Shrinkage	Nil	Tensile strength	Concrete failure
Heat Deflection, °C	> 50		

* Depending upon surface condition.

Application

- Segmental bridge adhesive.

Advantages

- High strength and high modulus of elasticity.
- High initial and ultimate strength.
- Impermeable to liquid and water vapour.
- Suitable to dry and damp concrete surfaces (moisture tolerant).
- Hardening is not affected by humidity.
- Thixotropic: non sag in vertical and overhead application.
- Solvent free.
- Hardens without shrinkage.
- No primer required.
- Good chemical resistance.

Application Methodology

- Ensure that the surface is free from dust, vegetation, debris, oil residue, and is sound and fully cured.
- Ensure that concrete should be cured for at least 28 days, (depends on minimal requirement of strengths) and have an open textured profile. Any cement laitance should be removed and free of all loose or friable particles with a minimum compressive strength 25 N/mm² and a minimum pull off 1.5 N/mm².
- Add Component A to Component B at 2:1 ratio by weight and mix thoroughly for 3 minutes until homogeneous mix is achieved, using a slow speed drill (500 - 600 rpm) fitted with a suitable mixing paddle.
- Apply **ShaliBond S** on prepared surface with a spatula, trowel, notched trowel or with hands, protected by gloves.

Cleaning

Clean all tools and application equipments with xylene immediately after use. Hardened or cured material can only be mechanically removed.

Health & Safety

- Avoid swallowing and contact with skin / eyes.
- In the unlikely event of contact with skin, rinse with plenty of clean water and then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- If swallowed, seek medical attention immediately. Do not induce vomiting.
- Ensure adequate ventilation and avoid inhalation of vapours.
- Wear suitable protective clothing, gloves and eye protection during application.

Packing

Available in 12 kg pack (6 kg unit x 2 no).

Storage

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

Shelf Life

12 months in original unopened sealed condition.



Advisory Cell
STP Limited
+91 81302 81114
Waterproofers to the Nation

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

