

ShaliBond® 41

Two Component Thixotropic Structural Grade Epoxy Adhesive



STP Limited

Description

ShaliBond® 41 is a two component, solvent free, thixotropic, structural adhesive and mortar, especially formulated for multipurpose repair & crack sealing. **ShaliBond® 41** meets the requirements of **ASTM C 881, Type I, Grade 3 Class B & C**.

Characteristics

Colour <ul style="list-style-type: none">• Component A• Component B• Mix	WhiteBlack Concrete grey	Compressive Strength @ 30°C, MPa <ul style="list-style-type: none">• 24 hours• 7 days	>45 >70
		Pot Life @ 30°C, minutes (100 gm mass)	30 - 40
Consumption, kg / m ² / mm	2.0 - 2.10	Mixing Ratio (A: B by wt.)	2 : 1
Layer thickness minimum	2 mm		
Layer thickness maximum, mm	25 - 30	Mix Density, kg / L	1.92 ± 0.02
Sag flow	Non-sag up to 10 mm	Tensile strength N / mm ² , 7 days	≥ 8
Tensile Adhesion strength ASTM C 882	≥10 N / mm ²		

* Depending upon surface condition.

Application

- Bonding adhesive - Concrete element, natural stone, mortar, bricks, block masonry, steel, iron, aluminum & wood.
- Crack & rigid joint filling.
- Fast setting repair mortar

Advantages

- High strength adhesive, initial & ultimate strength
- Adhesive & Filler in one.
- Non-sagging - Vertical & Overhead application.
- Impermeable to liquid and water vapour.
- Suitable to dry and damp concrete surfaces (moisture tolerant).
- Hardening is not affected by humidity.
- Very good adhesion to most construction materials.
- 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®41** on prepared surface with a spatula, trowel, notched trowel or with hands, protected by gloves while applying as repair mortar, joint filling & crack repair.
- As an adhesive **ShaliBond®41** should be applied on both the surfaces that requires bonding. For heavy component positioned vertically or overhead, temporary support is needed until adhesive has hardened & cured.

Cleaning

Clean all tools and application equipment's with **STP Epoxy Thinner** 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

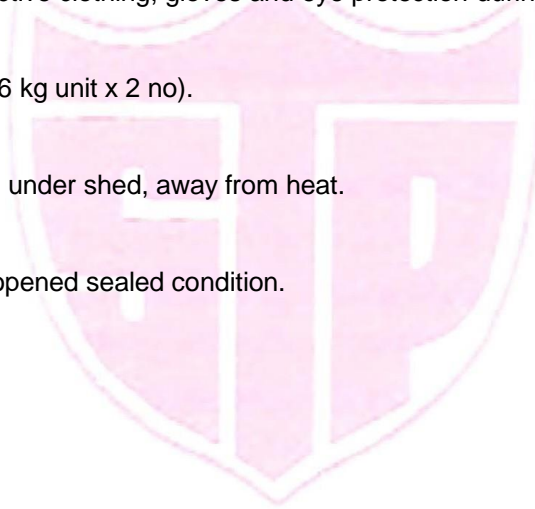
Available in 12 kg pack (6 kg unit x 2 no).

Storage

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

Shelf Life

12 months in original unopened sealed condition.



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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