

ShaliFix® SC 2K

2K Cementitious Surface Correction For Concrete Floor / Pavements



STP Limited

Description

ShaliFix® SC 2K is two a component pre-packed high performance polymer modified cement based mortar with high abrasion, impact and skid resistances and is ideal for concrete pavement, concrete industrial flooring and concrete car parks.

ShaliFix® SC 2K is a fast setting surface correction mortar for worn out concrete floor and pavements.

Characteristics - Physical

Appearance	Grey Powder White Liquid	Density, gm / cc	
<ul style="list-style-type: none">Component AComponent B		<ul style="list-style-type: none">Component AComponent BMix (Comp.A + B + Water)	<ul style="list-style-type: none">1.50 – 1.701.010 –1.052.10 – 2.30
Mixing ratio, by weight in kg	27.0 3.0 2.5 – 3.0	Theoretical Coverage* m ² / 30 Kg for 3 mm thickness	5
<ul style="list-style-type: none">Component AComponent BClean Water		Solid % of Component B	52 ± 2

Characteristics - Technical

Property	Method	Result
Compressive strength, MPa, 28 days	ASTM C 109M	Min. 20
Flexural strength, MPa, 28 days	ASTM C 248	2 - 4
Abrasion resistance, CS 17, 1000 cycle, mg loss	ASTM D 4060	120 ± 10

Application

- Repair of damaged concrete
 - Pavements.
 - Industrial / Warehouse Floors.
 - Car parks/ Driveways / Bus bays / Docks.
- Topping for new concrete floors to increase the skid and wear resistance.

Advantages

- Excellent abrasion and impact resistance.
- Good waterproofing
- Excellent adhering strength with the cementitious substrate.

Application Methodology

➤ Surface Preparation

- 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 **ShaliFix® SC 2K**.
- Remove defective and unsound substrate and repair the same by **ShaliFix® MC 70** prior to application of **ShaliFix® SC 2K**.
- Smooth and compact surfaces must be roughened by mechanical means.
- Moist the surface before priming.

➤ Material Preparation

- Mix water with Component B uniformly then mix Component A and stir with a slow speed

drill until a homogeneous mix is obtained.

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

➤ Application of Material

- Prime the substrate with mix of cement, ShaliSBR Latex and water in ratio of 20 : 5 : 5 (by weight) and spread @150 gm per m² using stiff bristle broom.
- Allow it to dry.
- Apply **ShaliFix® SC 2K** on primed surface with trowel or rubber tool.
- For anti-skid surface, brooming to desired texture may be done shortly after initial set.
- Dry curing is essential to **ShaliFix® SC 2K**.
- Where rapid drying conditions exist, such as high temperature, direct sunlight and strong wind, **ShaliFix® SC 2K** must be protected by a polythene sheet to reduce water loss.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- 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 30 Kg unit pack consist of 27 Kg Component A and 3 Kg Component B.

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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