

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. It is a fast-setting surface correction mortar for worn out concrete floor and pavements.

Characteristics - Physical

| | | | |
|---|-----------------------------|--|---|
| Appearance • Component A • Component B | Grey Powder White Liquid | Density, gm / cc • Component A • Component B • Mix (Comp A + B) | 2.10 - 2.30 1.01 - 1.05 2.10 - 2.30 |
| Mixing ratio, by weight, kgs. • Component A • Component B | 25.50 4.50 | Theoretical Coverage* m ² / 30 kg for 3 mm thickness Solid % of Component B | 5 5.5 ± 0.05 |

Characteristics - Technical

| Property | Method | Result |
|--|-------------|---|
| Compressive strength, MPa, 28 days | ASTM C 109M | 33 - 38 |
| Flexural strength, MPa, 28 days | ASTM C 348 | 5 - 7 |
| Abrasion resistance, H22, 1000 cycle, gm loss | ASTM D 4060 | 1.3 ± 0.01 |
| Shear Bond adhesion, N / mm ² | ASTM C 482 | > 1.8 |
| Tensile Strength, 28 days, N / mm ² | ASTM C 307 | 3 - 6 |
| UV accelerated weathering test, • 500 hours • 1000 hours | ASTM G 154 | No cracking, softening or delamination after exposure |

Field of 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 Component B uniformly with 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 / 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 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 30 kg unit pack consist of 25.5 kg Component A and 4.5 kg Component B.

Storage

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

Shelf Life

6 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



Advisory Cell: +91 81302 81114