

SOPRA REPAIR FC

Description

SOPRA REPAIR FC is a one component formed of cement, fine sand, cement, polymer modified and fiber for application less than 5mm per coat. When mixed with water **SOPRA REPAIR FC** produces a highly consistent, smooth, fine, troweling mortar.

Recommended Uses

SOPRA REPAIR FC can be used in the following applications:

- Filling pinholes prior to overcoating
- General reprofiling over large areas.
- As a skim coat for pin holes and minor honey combed concrete repair
- Fairing coat

Features and benefits

- Easy to use (ready to used bags)
- One component just adds water and mix
- Excellent workability
- Excellent bond strength to concrete substrates
- High abrasion and impact resistance
- Extremely durable
- Suitable for internal and external applications
- Cost effective

Standard Compliance

SOPRA REPAIR FC complies with the following standards:

- In accordance with ASTM C 827-87 & ASTM 191-92
- Meets the requirements for Class R2 of BS EN 1504-3 and BS EN1504-6

Packaging

SOPRA REPAIR FC is available in 20kg moisture resistance bags and pallets of 1 tons.

Storage

SOPRA REPAIR FC has a shelf life of 12 months. Store away from direct sunlight, protected from rainfall.

Technical Information

Appearance	Grey powder
Wet density	1800 kg/m ³
Max aggregate size	0.15 mm
Application thickness	5 mm
Compressive strength (EN 12190)	≥ 15 MPa @ 28 days
Tensile strength (BS 6319-7)	≥ 1.2 MPa @ 28 days
Flexural strength ASTM C348	≥ 3 MPa @ 28 days
Adhesion bond (EN 1542)	≥ 1 MPa @ 28 days

Application Instructions

a) Surface preparation

The concrete surface should be free of frost, curing membranes, oil stains, grease, paint and dust. The surface should be damp prior of the application of **SOPRA REPAIR FC** but free of standing water.

b) Mixing

First place the water in a clean drum. Slowly add complete bag of **SOPRA REPAIR FC** into the water and continuously mix for 3-5 minutes depending on mixing method to achieve a smooth, uniform and lump free consistency. Recommended mixing method is using a low-speed drill. Dependent on the desired consistency and flow properties, the mixing ratio can be adjusted. The appropriate quantity of water required to mix a 25kg bag with 7-8 liters of clean water.

To enhance the scratch resistance of **SOPRA REPAIR FC**, an addition of **SOPRA BOND SBR** or **SOPRA BOND ACRYLIC** is recommended. This is done by replacing the water with **SOPRA BOND** line at a maximum dosage of 50% of the total liquid quantity.

c) Application

SOPRA REPAIR FC is applied by steel trowel. The mixed mortar can be applied to the prepared substrates at up to 5 mm thicknesses. The applied mortar should be left for a few minutes before troweling to a smoother finish.

d) CLEANING OF TOOLS

Tools and application equipment should be cleaned with water immediately after use. Hardened material can only be mechanically removed.

Precautions

SOPRA REPAIR FC is non-hazardous material. It should not be swallowed or come in direct contact with skin or eyes. Suitable protective glasses and gloves should be worn during application. In the case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice if irritation occurs. When contact with skin occurs, wash off immediately with clean water and soap. If swallowed, seek medical emergency immediately, do not induce vomiting.

Technical Support

Sopra provides on-site assistance and consultation services on projects if required. Technical Datasheets on other **Sopra** products and guidance on their use are available on request or on our website.

Warranty

The information relating to the application and end-use of **Sopra** products, are provided in good faith based on **Sopra's** current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with **Sopra** recommendations. In practice, the differences in substrates and actual site conditions are such that no warranty in respect of sale for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must do their test to insure that the product is suitability for the intended application and purpose. The company reserves the right to change the properties of its products without prior notice.