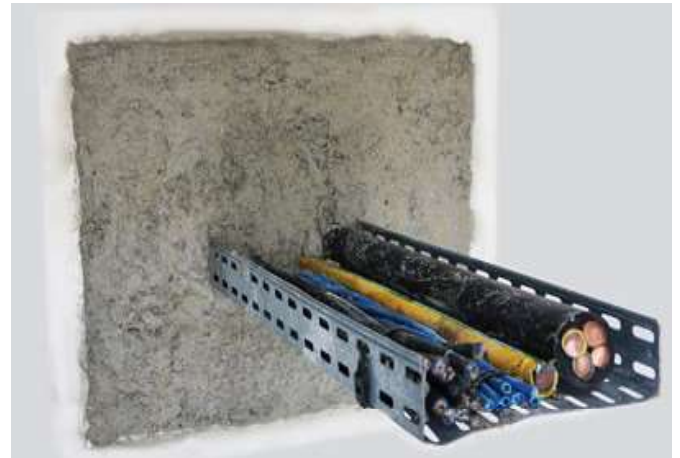


Fire Resistant High Build Mortar

ST-FRM

A proprietary pre-packed cementitious based high build mortar with Fire Resistance Rating (FRR) of 2 hours both for integrity and insulation suitable patch repair, sealing up gaps/voids or plastering applications to meet statutory fire resistant requirement.



PRODUCT DESCRIPTION

ST-FRM is a cementitious based materials with excellent fire resistant performance of 2 hours integrity and insulation when tested to BS EN 1364-1: 2015 and BS 476: Part 22: 1987. It consists of cementitious binder, light weight filler aggregates, fine graded sand and fire resistant additives. It is suitable for use in patch repair, sealing up gaps/voids or plastering on substrates like concrete, dry wall, light-weight blocks, steel structure, etc., to enhance the fire resistant properties of the original element to meet statutory fire resistant requirement. It can be applied either by machine spray or hand trowel.

SUBSTRATE PREPARATION

The substrate must be sound, even and reasonably damp before application. Any foreign, damaged, blistered, split items, dirt, covering & paints must be removed. Honeycomb defects, bubbles, cracks, hollow joints, and concrete joints must be attended to and repaired before application.

FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Fire resistant with 2 hours integrity and insulation
- ◆ High productivity
- ◆ Cost effective
- ◆ Excellent workability
- ◆ Easy, tidy and clean storage
- ◆ Environmental friendly
- ◆ Anti-cracking

AREAS OF APPLICATION

- ◆ Concrete repair
- ◆ Fire resistant grouting
- ◆ Fire resistant plastering/rendering
- ◆ Consult Score Tech's staff for other suitable application

MIXING & INSTALLATION

1. For concrete or mortar substrate, pre-wet the substrate before applying ST-FRM.
2. Mix ST-FRM with the recommended water quantity in a suitable container by an electric auger type mixer for about 3 - 5 minutes until a homogeneous mixture is obtained.
3. Allow the mixture to stand for 5 minutes and remix for 30 seconds before use.
4. When the mortar is left aside for more than 30 minutes and becomes dry, remix it without adding water to restore its workability before use. Do not use over-dried mortar.
5. Apply the well-mixed ST-FRM with a trowel or gloved hands onto substrate until the required thickness is achieved. Excessively thick layer should be built up in multiple layers.
6. For machine spray or grouting application, please consult Score Tech in advance for details.
7. Make good the surface with spatulas or conventional plastering tools to give the desired finishing texture.

CURING

Under normal circumstances, natural air curing is already proven adequate for ST-FRM. However, for extremely absorptive substrate (e.g., lightweight blocks) or under extremely dry weather condition, water mist / water spray curing will be beneficial to ST-FRM to attain its best performance.

PACKAGE

25 kg bag

SHELF LIFE

ST-FRM has a shelf life of 12 months if well kept in dry condition on lifted floor.

HEALTH & SAFETY

Wear NIOSH approved face mask or equivalent personal protective equipment when handling the material. ST-FRM contains cement which may cause an allergic effect or irritation to eyes and skin. When contact with eyes, flush immediately with large quantity of water.

REFERENCE STANDARDS

◆ British Standard: BS 476; BS EN 1364

PRODUCT INFORMATION

Colour	Grey
Fire Resistant Properties	2 hours integrity and insulation
Coverage	~1.5kg/m ² /mm

DISCLAIMER

Note: As the application condition may vary from site to site and may not be identical to the same condition under which the parameters in the brochure are drawn, the information provided on this Technical Data Sheet is for general guidance only. Warranty will not be given to the ultimate performance and application results of this material when the material is not kept, mixed, applied or cured strictly in accordance with the requirements and/or instructions listed out in this brochure or in other supplementary document.

SCORETECH
MASTERING TECHNOLOGY AND PRACTICALITY

Tel: 852-2165 0900
Fax: 852-2590 0511
Email: enquiry@ardexscoretech.com
Website: www.ardexscoretech.com

FRM-E-SEP2024.01