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DATA SHEET

## Fortafix High Temperature Adhesives

### Product: FORTAFIX FLAMESCREED – FIREPROOF SCREED

#### Principal Characteristics

**Fire Protection: Non-combustible cementitious screed.**

Provides a non-combustible protective rendering for vulnerable materials which are exposed to heat.

Sets to form hard and rigid cementitious mass which is resistant to thermal shock and age.

Operates with a maximum continuous temperature of 1400°C

Ready to use (add water). Produces a dark grey viscous paste when mixed with water.

25 Kg will cover 0.56 m<sup>2</sup> (6.0 ft<sup>2</sup>) at a thickness of 25 mm. Available in 25 Kg bags.

No extra aggregate required

Odourless and non-toxic.

Easily applied. Economical.

Can be used for indoor and outdoor applications.

Displays good resistance to oxidation, alkaline and acidic conditions.

Suitable for Thin films/coatings, thick sections and potting/encapsulation.

#### Typical Applications

- **Fire Protection** - Heat and fire-resistant render for common building materials such as brick, stone, breeze blocks and concrete.
- Opening up fireplace areas, patching incinerators, kilns and BBQ
- Fire resistant render and screed for building applications

#### Health and Safety/Environmental Information

- **Read separate MSDS sheet before use. (MSDS – Fortafix FlameScreed).**

Wear goggles & gloves. If any of the adhesive comes into contact with eyes, then flush eyes liberally with clean water and seek medical advice. If accidentally ingested, seek medical attention and show the container or label.

Keep away from children & animals.

## Guidelines for Use

### Mixing Instructions

FlameScreed should be mixed with water until a trowelling consistence is achieved.  
FlameScreed mixture should then be stirred for a minimum of 3-5 minutes to sure the full hydration of the cementitious screed.

### Application

It is important to rake out any mortar joints to a depth of ~ 12.5mm (0.5 inch) and generally roughen the brick and stonework, to provide maximum key to the surface.

Apply to the exposed surface with a trowel or float, working from the base upwards to give maximum support.

FlameScreed can be applied to a maximum thickness of 50mm (2 inches), however, for most applications 25mm (1 inch) is adequate.

The thickness of the applied should not be less than 12.5 mm (0.5 inches)

If FlameScreed is used hearths a thickness of up to 75mm (3 inches) may be applied.

All application equipment should be cleaned with warm water immediately after application.

### Curing Schedule

This product is water based, it is necessary to fully dry and dehydrate the applied Fireproof Screed.

The rendered surface should be allowed to initially cure for 6 hours.

After the initial cure has occurred, the surface should be kept cool and wet, by covering with polythene or wet rags for a further 18 hours to enable full hydration of the cement.

The surface should then be allowed to cure and dry naturally for a further 48 hours before any heat is applied.

Initial heating should be as gentle as possible to allow any remaining moisture to be removed without damage to the screed.

### Storage

Once opened this product is moisture sensitive - avoid continuous exposure to air.

Any unused FlameScreed can be kept in the tub with the lid tightly replaced and stored in a cool, dry, frost free place.

Product should be stored in original packaging between 5 - 30°C.

Shelf life – 12 months.