



DATA SHEET

Fortafix High Temperature Adhesives

FORTAFIX FLAMESCREED – FIREPROOF SCREED

- **Fire Protection** - Cementitious screed which provides a **protective** rendering for vulnerable materials which are exposed to heat.
- No extra aggregate required.
- Easily applied.
- A maximum continuous operating temperature of 1400°C.
- Can be used for indoor and outdoor applications.
- Economical.

Typically Used For

- **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

Principal Characteristics

- Suitable for Thin films/coatings, thick sections and potting/encapsulation.
- **Maximum Continuous Service Temperature: 1400°C.**
- Available as a Dark grey powder.
- Produces a dark grey viscous paste when mixed with water.
- Ready to use (add water).
- Displays good resistance to oxidation, alkaline and acidic conditions.
- 25 Kg will cover 0.56 m² (6.0 sq.ft) at a thickness of 25 mm.
- Available in 25 Kg bags.

Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS – FORTAFIX FLAMESCREED).
- ROHS Compliant.

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

- As 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.
- 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.