



## DATA SHEET

### Fortafix High Temperature Adhesives

#### FORTAFIX FLAMEFILL - Non Combustible **Fire Resistant** Adhesive Putty

**Type:** Non-combustible Inorganic Silicate Putty/Cement  
**Use:** Sealing brickwork and flues in walls, fireplaces, boilers, solid fuel burners.  
**Rating:** Will comply with the requirements of BS476 Part 4

#### DESCRIPTION

- FORTAFIX FLAMEFILL – A **non-combustible** High Temperature Fire Cement/Putty
- An air drying, silicate based material for bonding low porosity surfaces and for general sealing and repairing work where high temperature resistance (Up to 1600°C) is required.
- The product dries to a hard, cement-like material with good adhesion to many surfaces.
- Sets to form hard and rigid ceramic mass which is resistant to thermal shock and age.
- Odourless and non-toxic.

#### SPECIFICATION COMPLIANCE

- Will comply with the requirements of BS476 Part 4
- RoHS Compliant.

#### APPLICATIONS

- **Fire Protection** - Suitable for Bonding and thick sections
- **Sealing brickwork and flues in walls, fireplaces, boilers, solid fuel burners.**
- Cement – High temperature cement for installation of fireplaces and hearths.
- Sealant – High temperature rigid seals for joints on flues, stoves and other heating devices.

#### LIMITATIONS

- FORTAFIX FLAMEFILL – Non-Combustible High Temperature Adhesive Putty will not bond to plastics and polymer materials, particularly where flexing may occur.

#### APPLICATION INSTRUCTIONS

- All surfaces must be clean and dry and free from dirt, dust, grease and other contamination.
- Apply the adhesive from the tub, forcing it into the area to be sealed, then immediately tool it down to ensure good adhesion.
- When bonding materials, apply a bead of adhesive cement to one surface and immediately combine the two parts, applying pressure to ensure good surface contact.
- Allow to air dry for 24 hours, after which gentle heat can be gradually applied.
- At temperatures in excess of 800°C the material will start to 'vitrify'.
- All application equipment should be cleaned with warm water immediately after application.

#### STORAGE

- Store in cool dry conditions
- PROTECT FROM FROST.

## **HEALTH AND SAFETY**

See Health & Safety data sheet before using the product. Should any of the adhesive come 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 AND ANIMALS.**

### **Health and Safety / Environmental Information**

- See separate MSDS sheet. (MSDS – FORTAFIX FLAMEFILL).
- RoHS Compliant.

## **TECHNICAL DETAILS**

Application Temperature Range:	+5°C to +40°C
Initial Drying:	Skins within 5 minutes (20°C and 65% RH)
Through Drying:	Approx. 5mm/day (20°C and 65% RH)
Slump Resistance:	Excellent.
Flash Point:	Does not support combustion
Softening Temperature	1400°C
Melting Temperature	1600°C
pH	13
Wet Density	2.08 g/cm <sup>3</sup>
Oxidation Resistance	Excellent
Alkali Resistance	Can be re-dissolved at high pH
Acid Resistance	Excellent except for hydrofluoric
Packaging	5 & 25kg tub
Colour (FC/FS)	Brown
Shelf Life:	12 months in unopened containers when stored under cool, dry conditions.(+5°C to +30°C)