



## DATA SHEET

### Fortafix High Temperature Adhesives

#### **Fortafix FlueSeal - High Temperature Flue Adhesive Sealant**

- **Specifically designed for use on all types of flues** e.g. stainless steel, vitreous enamel coated flue, ceramic flue pipes, concrete & pumice block, etc.
- Developed for improved cohesion, adhesion and strength
- Economical in cost and application
- Withstands temperatures to +1000°C. Strong adhesive properties at all temperatures.
- Fortafix HT Flueseal is water based, and does not contain hydrocarbon resins or solvents.
- Hardens by air drying and operational heat which improves and strengthens seals and joints.
- Water resistance will be improved by the application of heat.

#### **Typically Used For**

- Flue Sealant – High temperature rigid seals for flues, stoves and other heating devices.
- Adhesive - Suitable for Ceramic, Glass, Metals, Concrete, Stone, Silicate Fibre Materials, High Temperature Thermal Insulation and many other industrial materials
- Fire protection applications

#### **Principal Characteristics**

- Maximum Continuous Service Temperature: +1000°C.
- Sets to form hard and rigid ceramic mass which is resistant to thermal shock.
- Colour - Black
- Ready to use

<b>Softening Temperature</b>	1000°C	<b>Melting Temperature</b>	1100°C	<b>pH</b>	13
<b>Expansion</b>		<b>Oxidation Resistance</b>	Excellent	<b>Acid Resistance</b>	Excellent – Except hydrofluoric
<b>Coverage</b>	45m @ 3mm diam bead	<b>Packaging</b>	300ml cartridge		

## Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS – Fortafix High Temperature Flue Sealant – FlueSeal Black).
- RoHS Compliant.

## Guidelines for Use

### Application

- Thoroughly clean and degrease all surfaces to be bonded or sealed.
- A light surface abrasion of the material to be bonded will increase the surface area available for adhesion and improve mechanical key.
- Apply the adhesive/sealant as supplied (using a mastic gun or spreader) to all surfaces to be bonded and complete tooling within 5-10 minutes.
- Apply moderate pressure to ensure even anchorage and solid contact of the surfaces to be bonded, so that all surfaces are fully wetted.
- Secure components and allow the adhesive to set.
- 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 adhesive.
- The curing of this product may vary depending on temperature, humidity, porosity of substrates, volume of adhesive and area etc. A rough guide for typical applications at room temperature and average humidity would be approximately 36-48 hours.
- Curing may be accelerated by the application of gentle and progressive heat (do not exceed 100°C during curing as this may lead to product failure).
- The cured product may be removed using steam/ boiling water (high pH will also aid removal).

### Storage

- Once opened this product is moisture sensitive avoid continuous exposure to air.
- Product should be stored in original packaging between 5 - 30°C.
- Cartridges should be stored in an upright position at all times.
- Shelf life – 12 months.