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

<table>
<thead>
<tr>
<th>Softening Temperature</th>
<th>Melting Temperature</th>
<th>pH</th>
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</thead>
<tbody>
<tr>
<td>1000°C</td>
<td>1100°C</td>
<td></td>
</tr>
<tr>
<td>Expansion</td>
<td>Oxidation Resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Coverage</td>
<td>Acid Resistance</td>
<td>Excellent – Except hydrofluoric</td>
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</tbody>
</table>

Coverage: 45m @ 3mm diam bead

Packaging: 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.