Fortafix High Temperature Adhesives

HT FLEXSEAL 300 – FORTAFIX RTV SILCONE SEALENT/ ADHESIVE

- A cartridge applied High Temperature Resistant RTV Silicone based sealant/adhesive.
- Designed for use where a flexible bond is required together with high temperature resistance.
- Non-slump paste.
- Excellent adhesion between most substrates.
- Suitable for gap filling applications and jointing materials of different thermal expansions
- A maximum continuous operating temperature of 300°C
- HT Flexseal 300 (White) is a FDA compliant ‘food safe’ adhesive sealant

Typically Used For

- Flues
- Fixing Ceramic Rope
- Ducting
- Gasketing
- Electrical Insulation
- Jointing Metals, Glass, Ceramics and Polymers

Principal Characteristics

- Suitable for Bonding, gasketing, thick sections and potting/ encapsulation.
- Maximum Continuous Service Temperature: 300°C.
- Available as a white or black paste.
- Resistant to weathering and ageing – can be used externally.
- Ready to use.

<table>
<thead>
<tr>
<th>Max. Continuous Temperature</th>
<th>Min. Continuous Temperature</th>
<th>Wet Density</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>300°C</td>
<td>- 60°C</td>
<td>1.20 g/cm³</td>
<td>300ml Euro Cartridge</td>
</tr>
<tr>
<td>Coverage Rate</td>
<td>Shrinkage</td>
<td>Tensile Strength</td>
<td>2.30 MPa</td>
</tr>
<tr>
<td>45m @ 3mm diam. bead</td>
<td>0.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulus @ elongation</td>
<td>Elongation at Break</td>
<td>Tensile Strength</td>
<td></td>
</tr>
<tr>
<td>0.94 MPa</td>
<td>290%</td>
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</tbody>
</table>
Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS – HT Flexseal 300 RTV Silicone Sealant/ Adhesive).
- RoHS Compliant
- HT Flexseal 300 (White) – FDA compliant ‘food safe’ adhesive sealant

Guidelines for Use

Application

- Thoroughly clean and degrease 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 sealant as supplied to all surfaces to be bonded and complete tooling within 5-10 minutes.
- Clean any unwanted silicone immediately using xylene and a cloth.
- Apply moderate pressure to ensure even anchorage and solid contact of the surfaces to be bonded, so that all surfaces are fully wetted.
- Curing starts at the surface and works inward. Humidity and ambient temperature can alter curing rate.
- Always work in a well-ventilated area.

Curing Schedule

- The curing of this product may vary depending on temperature, humidity, porosity of substrates, glue line thickness and area etc. A rough guide for typical applications at room temperature and average humidity would be approximately 36-48 hours.
- Once cured, the strength of the silicone will continue to increase for up to 7 days.
- Curing may be accelerated by the application of gentle heat (do not exceed 70°C).

Storage

- Once opened this product is moisture sensitive avoid continuous exposure to air.
- Product should be stored in original packaging between 5 - 30ºC.
- Shelf life – 12 months.