



# TECHNICAL DATA SHEET

## Fortafix High Temperature Adhesives

### HT FLEXSEAL 350 – FORTAFIX RTV SILICONE SEALANT/ 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 350°C.

### Typically Used For

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

### Principal Characteristics

- Suitable for Bonding, gasketing, thick sections and potting/ encapsulation.
- Maximum Continuous Service Temperature: 350°C.
- Available as a red paste.
- Resistant to weathering and ageing – can be used externally.
- Ready to use.

<b>Max. Continuous Temperature</b>	350°C	<b>Min. Continuous Temperature</b>	- 60°C	<b>Wet Density</b>	1.28 g/cm <sup>3</sup>
<b>Coverage Rate</b>	45m @ 3mm diam. bead	<b>Shrinkage</b>	3%	<b>Tensile Strength</b>	1.4 MPa
<b>Modulus @ elongation</b>	0.6 MPa	<b>Elongation at Break</b>	420%	<b>Packaging</b>	300ml Euro Cartridge

## Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS – HT Flexseal 350 RTV Silicone Sealant/ Adhesive).
- RoHS Compliant.

## 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 - 30°C.
- Shelf life -12 months.