



TECHNICAL DATA SHEET

Fortafix High Temperature Adhesives

HT FLEXSEAL 300 – 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 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.

Max. Continuous Temperature	300°C	Min. Continuous Temperature	- 60°C	Wet Density	1.20 g/cm ⁻³
Coverage Rate	45m @ 3mm diam. bead	Shrinkage	0.8%	Tensile Strength	2.30 MPa
Modulus @ elongation	0.94 MPa	Elongation at Break	290%	Packaging	300ml Euro Cartridge

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 - 30°C.
- Shelf life – 12 months.