Interim Data Sheet:

**HT BONDFLOW 300 – FORTAFIX RTV SILCONE SEALANT/ ADHESIVE**

- Low viscosity liquid
- A pourable/paintable High Temperature Resistant RTV Silicone based sealant/adhesive, based on Fortafix HT Flexseal 300.
- Designed for use where a flexible bond is required together with high temperature resistance.
- Excellent adhesion between most substrates.
- Suitable for sealing and jointing materials of different thermal expansions.
- A maximum continuous operating temperature of 300°C, when fully cured.

Typically Used For

- Jointing Metals, Glass, Gasketing, Ceramics and Polymers
- Protective Surface Coatings

Principal Characteristics

- Ready to use.
- Pourable liquid - Black Colour
- Maximum Continuous Service Temperature: 300°C.
- Resistant to weathering and ageing – can be used externally.
- Product will exhibit some shrinkage on curing (30% - 50%)
- Maximum cure depth: 10 mm
- Fair/average resistance to mineral oils

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Continuous Temperature</td>
<td>300°C</td>
</tr>
<tr>
<td>Min. Continuous Temperature</td>
<td>- 60°C</td>
</tr>
<tr>
<td>Wet Density</td>
<td>0.95 g/cm³</td>
</tr>
<tr>
<td>Coverage Rate</td>
<td>Shrinkage 30% - 50%</td>
</tr>
<tr>
<td>Modulus @ elongation</td>
<td>0.94 MPa</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>250%</td>
</tr>
<tr>
<td>Packaging</td>
<td>5 litre can</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>2.00 MPa</td>
</tr>
</tbody>
</table>

Minkon Ltd, Tofts Farm Industrial Estate, Brenda Road, Hartlepool. U.K. TS25 2BS
Tel: +44 (0)1429 273252  Fax: +44 (0) 1429 232611  e-mail: fortafix@minkon.co.uk
Web: www.minkon.co.uk www.fortafix.com
Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS – HT BondFlow 300 RTV Silicone Sealant/ Adhesive).
- RoHS Compliant.

Guidelines for Use

Application – Concrete Joint Sealant

- Ensure all concrete surfaces to be sealed/jointed are clean with a good surface texture.
- Ensure all concrete surfaces to be sealed/jointed are free from surface laitance, oil based release agents, surface dust etc
- Stir product thoroughly before using
- Pour the sealant to a maximum depth of 10 mm
- Protect the joint from freezing and the ingress of excessive moisture (e.g. rain)
- Allow to fully cure (typically allow 3-4 days, although cold weather will extend this period)
- Assess extent of cure of joint – use sharp point or needle, and ensure adhesive film is fully cured through
- Assess shrinkage and calculate amount of Bondflow HT300 required for next application
- Continue as described above until joint is fully sealed
- Clean any unwanted silicone immediately using xylene and a cloth.
- 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.
- Curing starts at the surface and works inward
- Humidity and ambient temperature can alter curing rate
- Rate and depth of cure is typically 3-4 mm per 24 hours, to a maximum depth of 10 mm
- Once cured, the strength of the silicone will continue to increase for up to 7 days.

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.