BOSTIK 922
High Performance Industrial Silicone Sealant

6 December 2017

YOUR SMART ADVANTAGES
- Industrial Qualities.
- One component product.
- The thixotropic nature of this product ensures that it will not slump, sag or run off surfaces.
- Good resistance to weathering & moisture.
- Good resistance to motor oils and some chemicals.
- Excellent temperature range. (-50ºC +235ºC) (Short term +260ºC)
- Adheres to a variety of substrates.
- 100 % percent silicone rubber
- Meets the requirements of many industrial, mining, OEM applications.

DESCRIPTION
Bostik 922 is a one component, acetic cure, high strength, high modulus industrial grade silicone sealant. It cures by absorption of atmospheric moisture to form a flexible and durable elastomeric sealant.

Bostik 922 cures rapidly to an even consistent silicone rubber. Because of its superior adhesion to most substrates, it is extremely effective as a high temperature industrial silicone. It maintains its properties while in contact with a broad range of chemicals and over a broad temperature range.

USES
Industrial and mining maintenance
Automotive maintenance
Makes formed-in-place gaskets for gear boxes, compressors and pumps
Sealing of trailers and truck cabs
Sealing gaskets in heating and refrigeration units
Sealing of windows in oven doors (subject to temperature range of oven)
Sealing access doors on gas appliances
Bonding and sealing appliance parts
Makes formed in place gasket for heavy industrial pipes and flanges
Sealing of joints in sheet metal stacks, duct work
Protecting components from moisture from frequent wash downs or weathering.

ONE PART SYTEM
Being a one-part industrial sealant – Bostik 922 offers the confidence of consistent even cure. It also improves operator productivity, as time is not lost mixing the product. It is easy to use in difficult locations, and can be applied using a standard cartridge gun.

LONG LIFE RELIABILITY
Bostik 922 has excellent natural ageing stability. It will maintain its elastomeric joint sealant properties permanently, even under harsh conditions and temperature extremes.

PRODUCT CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Time (BS 5889)</td>
<td>6 minutes</td>
</tr>
<tr>
<td>Tack Free Time (ASTM C679)</td>
<td>30-40 minutes</td>
</tr>
<tr>
<td>Tooling Time (ASTM C679)</td>
<td>8 minutes</td>
</tr>
<tr>
<td>Sag or Slump (BS 5889)</td>
<td>Nil</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>-10ºC to +40ºC</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-50ºC to +235ºC</td>
</tr>
</tbody>
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NOTE: Application of the sealant at +5ºC to +35ºC is permissible provided the surface to receive the silicone is dry and free of frost. The maximum service temperature listed is for transient temperatures; the silicone will deteriorate if subjected to these temperatures on a continuous basis.

Product code
300g cartridge/15 per carton
White 30804651
Black 30804656
Transparent 30804659
**TYPICAL PERFORMANCE DATA (approx.)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Shore A Hardness (ASTM C661)</td>
<td>23</td>
</tr>
<tr>
<td>100% Modulus (ASTM D412)</td>
<td>0.45 MPa</td>
</tr>
<tr>
<td>Tensile Strength (ASTM D412)</td>
<td>1.80 MPa</td>
</tr>
<tr>
<td>Elongation (ASTM D412)</td>
<td>480%</td>
</tr>
<tr>
<td>Peel Strength after UV through Glass (BS5889)</td>
<td>62N/25mm</td>
</tr>
<tr>
<td>Dynamic Movement Capacity (ASTM C920)</td>
<td>± 25%</td>
</tr>
<tr>
<td>Accelerated Ageing and Weathering (ASTM C792)</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**STORAGE & SHELF LIFE**

Always store the sealant in a cool dry place. Ideal storage temperature is not more than 25°C. Prolonged storage at high temperatures may affect shelf life and ultimate performance.

The shelf life of Bostik 922 is 12 month from the date of manufacture when stored below 25°C and below 50% relative humidity.

**COMPATIBILITY WITH ADJACENT SUBSTRATES**

Silicones are not always compatible with plasticized sealants, such as butyls. Also some backing rods and bitumen or other agents may be incompatible with RTV silicone. The incompatibility may cause discoloration, poor sealant cure or long term degradation of the sealant.

Always carry out compatibility tests where contact with potentially incompatible materials occurs. (Bostik offers this service via our lab facilities for projects)

**APPLICATION – CLEANING & APPLYING**

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease.

Use the two-wipe process for impervious substrates. Ensure the cloths are clean and changed frequently, and use a suitable cleaner/solvent such as IPA.

When extruding the sealant cut the nozzle to the desired width, cut the tip off the cartridge, and apply the sealant firmly to ensure good contact between the sealant and the substrate.

Before the sealant has skinned, tool it off to ensure a good finish, and to improve the wetting out of the sealant to the substrate. Clean/wipe off excess sealant with a clean cloth or polyethylene scraper. Masking tape can be used.

(Masking tape must be removed before skin over starts).

**LIMITATIONS**

Bostik 922 is NOT suitable for use in the following applications:

- As the sealant requires atmospheric humidity to cure, it will not cure in totally confined spaces where there is an absence of these conditions.
- Adhering mirrors
- Laminated glass
- Reflective glass
- Underwater applications (Subject to substrate)
- Below grade applications
- Concrete, cement, masonry or any stones.
- Soft thin metals, such as Galvanising, Zincalum®, Brass, Copper and Bronze.
- Horizontal walkways
- Do not clean or treat the RTV silicone with materials, cleaning agents or solvents that may affect or discolor the silicone, particularly during curing.

This silicone is not paintable

**For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.**

This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Proprietary Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit www.bostik.com.au