Seal Bond 105 Structural Sealant/Adhesive: Description
Seal Bond 105 is a gun-grade, one component structural sealant/adhesive based on modified silane (MS Polymer) and designed for high performance elastomeric bonding and sealing applications. SB 105 cures to a permanently flexible state once it is exposed with moisture (atmospheric humidity). Flexibility after cure can provide vibration resistance, sound-deadening and buffer the effects of temperature-induced contractions and expansions of dissimilar materials.

Seal Bond 105 is an excellent choice for many product assembly applications involving the joining of like and dissimilar substrates including steel, aluminum, glass, wood, FRP, and many plastics (ABD, Acrylic, and PVC) without primers or other surface treatment methods.

Transportation assembly applications include:
- **Panel Bonding** (metal and plastic) for side panels and roof skins on vehicles and caravans
- **Glass Pane Installation** on transit cars and other vehicles (not recommended for windshield bonding on cars or trucks)
- **Interior and Exterior Seam and Joint Sealing** on all vehicles, shipping containers, rail cars, etc.

Features:
- Primerless Adhesion
- Paintable
- Remains Flexible Over Broad Temperatures
- Seal and Adhere in One Application
- Interior and Exterior Use
- No VOC’s, Low Odor
- Non Flammable
- Fast Curing
- Extremely Good Weatherability
- Extremely Low Shrinkage

Physical Properties:
- Basic Material: MS Polymer
- Consistency: Heavy Paste
- Color: Black, White and Custom Colors Available
- VOC <24g/L EPA Method 24
- Components: 1
- Type: Elastomeric
- Shelf Life: 10 months unopened and stored between 60°/15.55°F and 80°F/26.66°C
- Specific Gravity: 1.4 to 1.6

Approximate Performance Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shear Strength</td>
<td>190 psi/13.361Kg/cm</td>
<td>ASTM D-1002</td>
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<tr>
<td>Tensile Strength</td>
<td>435 psi/30.591Kg/cm</td>
<td>ASTM D-412</td>
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<tr>
<td>Elongation at Break</td>
<td>500%</td>
<td>ASTM D-412</td>
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<tr>
<td>Shore A Hardness</td>
<td>55</td>
<td>ASTM C-661</td>
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<tr>
<td>Initial Skin Forming</td>
<td>10 minutes</td>
<td></td>
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<tr>
<td>Slump (Sag)</td>
<td>None</td>
<td>ASTM C-639</td>
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<tr>
<td>Stain Testing</td>
<td>No Staining</td>
<td></td>
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<tr>
<td>Tack Free Time</td>
<td>25 minutes</td>
<td>ASTM C-679</td>
</tr>
<tr>
<td>Extrusion Rate</td>
<td>311 g/min</td>
<td>@40 PSI/2.8129Kg/cm, 5mm orifice</td>
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<tr>
<td>Volatiles</td>
<td>&lt;24 g/L</td>
<td></td>
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<tr>
<td>Low Temperature Flex</td>
<td>-20°F/-28.88°C</td>
<td></td>
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<tr>
<td>Service Temperature</td>
<td>-40°F/-40°C to 200°F/93.33°C (temporarily resistant to 390°F/198.88°C)</td>
<td></td>
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</tbody>
</table>
### Cure Schedule:
Seal Bond 105 cures to a permanently flexible state once exposed to moisture (ambient air humidity). Therefore skin formation and rate of cure is dependent on atmospheric conditions during and after the application process. Depth of cure in the 24 hours at 72°F/22.2°C and 40% RH is 3.4 mm.

### Application:
- High Performance Caulk-type gun
- (High Thrust Ratio)
- Platen style drum/pail unloader (closed systems)

### Packaging Options:
- 10.3 fluid ounce cartridges
- 5 gallon pails
- 50 gallon drums

### NOTIC TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY
We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.**

We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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To Seal, Bond and Protect... When Performance Counts.