

# Joint Link TECHNICAL DATA

## Polyether Moisture Cure Joint Sealant

**Expansion Joints  
Seam Sealer  
Weather Tight**

**Solvent-Free  
Self Leveling  
Moisture Insensitive  
Caulking Tube Application  
VOC Class: Mastic    VOC = 0 g/l**

<p><b>STANDARD PRODUCT DESCRIPTION</b></p>	<p>Joint Link is a high performance interior or exterior joint sealant for use in both moving and non-moving joint applications. This product is a silyl terminated Polyether high-performance sealant for use in horizontal expansion joint applications. Joint Link provides a long lasting weather tight seal to a variety of building substrates.</p>		
<p><b>USES</b></p>	<table border="0"> <tr> <td style="vertical-align: top;"> <p>Roofing Details: Expansion joint Pre-cast concrete Block and masonry Curtain walls Window and door frames Siding Parapets Cove joints Details Weather sealing</p> </td> <td style="vertical-align: top; padding-left: 20px;"> <p>Substrates: Concrete            EPDM Block                Foam Brick                Vinyl Stone Masonry Wood Metal Aluminum Galvanized metal PVC SBS Mod Bit</p> </td> </tr> </table>	<p>Roofing Details: Expansion joint Pre-cast concrete Block and masonry Curtain walls Window and door frames Siding Parapets Cove joints Details Weather sealing</p>	<p>Substrates: Concrete            EPDM Block                Foam Brick                Vinyl Stone Masonry Wood Metal Aluminum Galvanized metal PVC SBS Mod Bit</p>
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<p><b>FEATURES</b></p>	<p>100% solids - no shrinkage Single component - easy to tool and gun; no mixing Fast skinning - Resists dirt pickup on construction sites No solvents - Safe to use indoors or in confined spaces; no odor Unique polymer - Bonds to damp masonry Polyether - Bonds to a variety of substrates w/o priming Gun grade - No special tools or mixing Excellent weathering properties - Durable long lasting seal</p>		
<p><b>PHYSICAL PROPERTIES</b></p>	<p>COLOR ..... Gray or tan ELONGATION AT BREAK ..... 300-400% ASTM D-412 HARDNESS SHORE A ..... 30 +/- 3 ASTM C-661 SHEAR STRENGTH ..... 150 PSI ASTM D-1002 TACK FREE TIME ..... 45 minutes ASTM C-679 SLUMP (sag) ..... Zero slump ASTM C-697 SHRINKAGE ..... No measurable shrinkage after 14 days LOW TEMPERATURE FLEX ..... Minus 10 degrees F pass 1/4 inch mandrel SERVICE TEMPERATURE ..... Minus 40 degrees F to 200 degrees F continuous service SHELF LIFE ..... One year SPECIFIC GRAVITY ..... 1.60 (13.1-13.5 lbs./gal.) depending on color VISCOSITY ..... 1,000,000 cps Brookfield RVE, TF spindle, 4 RPM, 73°F ODOR ..... Mile ester smell</p>		

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<b>SURFACE PREPARATION</b>	<p>Joint Preparation - Joints should be clean, dry, and free from all contamination including dirt, oils, grease, tar, wax, rust and any other substance that may inhibit the sealant's performance.</p> <p>Joint Design: Install all joint applications per ASTM and SWRI recommendations and guidelines. Joints shall be designed with a depth to width ratio of 1:2 (joints depth one half the width). It is recommended that the joint shall be no less than 1/4" wide by 1/4" deep. The maximum depth of sealant shall be 1/2". Control the depth of the sealant by using a backer rod that is 25% larger than the joint opening at standard temperature. Where the joint configuration will not permit a backer rod, it is recommended that an alternative bond breaker be used. Prevention of three-point adhesion is necessary through the use of a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal.</p> <p>Metal: Prepare all metal in a manner to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, coatings and oils with an appropriate solvent such as alcohol.</p> <p>Concrete: Concrete and masonry substrates shall be fully cured and dry prior to the application of the sealant. Remove any contamination by mechanical abrasion, sand blasting or power washing.</p> <p>Wood: Wood shall be clean, sound and dry prior to sealant application. Treated wood shall be allowed to weather for 6 months. Coatings and paint shall be removed (or tested for compatibility) to ensure a proper bond.</p> <p>Priming: In most instances Joint Link will not require a primer. However, certain applications or substrates, such as Hynar-coated metal, may require a primer to ensure a long lasting bond and weatherproof seal. It is the user's responsibility to determine the need for a primer. Wherever prolonged immersion is anticipated, a primer will aid performance.</p>
<b>APPLICATION</b>	<p>Joint Link is a one-component, ready-to-use material that requires no mixing or preparation. It is recommended that a quality caulking gun be used to ensure ease of application. Apply when temperatures are above 40°F. When all the joint preparation is complete, cut the plastic nozzle at a 45 degree angle to approximately the size of the joint opening. Begin gunning to fill the joint from the bottom to the surface, ensuring there are no voids or air pockets. Dry tooling is recommended to create a strong mechanical bond against the joint faces.</p> <p>Do not use Joint Link in temperatures below 40°F.</p> <p>Joint Link can be painted after 24 hours.</p> <p>Joint Link can be used in vertical or overhead working conditions.</p> <p>Joint Link typically skins over within 15-45 minutes and cures through in 3 - 7 days depending upon temperature, humidity and thickness. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time.</p>
<b>CLEAN UP</b>	<p>Wet sealant can be removed using a solvent such as alcohol, or soap and water. Cured Joint Link can be removed by abrading or scraping the substrate.</p>
<b>CAUTIONS</b>	<p>Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician. <b>KEEP OUT OF REACH OF CHILDREN.</b></p>
<b>STORAGE</b>	<p>Shelf Life - one year from date of manufacture when stored in normal environments.</p> <p>Storage - Store in original unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life.</p>
<b>TRANSPORT</b>	<p>Nonregulated by USDOT, IATA &amp; IMO.</p>

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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