**TABLE 1: CHEM-CALK® 915 TYPICAL UNCURED PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool/Work Time</td>
<td>60 minutes</td>
<td>Bostik Test Method</td>
</tr>
<tr>
<td>Skin Time</td>
<td>4 hours</td>
<td>TT-S-00230C/ASTM C 679</td>
</tr>
<tr>
<td>Curing Time @ 77°F</td>
<td>2 - 4 days</td>
<td>Varies w/ relative humidity</td>
</tr>
<tr>
<td>Flow, Sag or Slump</td>
<td>0.1 inch</td>
<td>TT-S-00230C/ASTM C 639</td>
</tr>
<tr>
<td>Staining</td>
<td>None</td>
<td>TT-S-00230C/ASTM C 510</td>
</tr>
</tbody>
</table>

*Values given above are not intended to be used in specification preparation.

**TABLE 2: CHEM-CALK® 915 – TYPICAL PROPERTIES**

(After 14 days cure at 77°F & 50% RH)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness (Shore A)</td>
<td>38</td>
<td>ASTM D 2240</td>
</tr>
<tr>
<td>Modulus @ 100% Elongation</td>
<td>65 psi</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>133 psi</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Elongation</td>
<td>685%</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Adhesion in Peel</td>
<td>&gt;25 psi</td>
<td>TT-S-00230C/ASTM C 794</td>
</tr>
<tr>
<td>Stain</td>
<td>None</td>
<td>TT-S-00230C/ASTM C 510</td>
</tr>
<tr>
<td>Ozone Resistance</td>
<td>Good</td>
<td>ASTM C 793</td>
</tr>
<tr>
<td>Joint Movement Capability</td>
<td>≤25%</td>
<td>ASTM C 719</td>
</tr>
<tr>
<td>UV Resistance</td>
<td>Good</td>
<td>ASTM C 793</td>
</tr>
</tbody>
</table>

**Values given above are not intended to be used in specification preparation.**

**PRODUCT NAME**
Bostik Chem-Calk® 915—A One-Component Polyurethane Elastomeric Sealant, Gun Grade.

**MANUFACTURER**
Bostik Findley, Inc.
211 Boston Street
Middleton, MA 01949-2128 USA
Telephone: (888) 603-8558
Technical Service: (800) 523-2678
Technical Fax: (215) 957-0716
http://www.bostikfindley-us.com

**PRODUCT DESCRIPTION**
Chem-Calk® 915 sealant is a one-component architectural grade polyurethane sealant capable of dynamic joint movement totaling 50% of original joint geometry (±25%). The sealant cures to a tough, flexible rubber when exposed to moisture present in the atmosphere.

**Composition:**
Chem-Calk® 915 polyurethane sealant has a consistency like toothpaste, its physical properties will remain relatively stable over time and in varying weather conditions. Its physical properties are relatively unchanged over a wide temperature range, -40°F to 150°F (-40°C to 66°C).

**Basic Uses:**
Chem-Calk® 915 sealant is designed for sealing expansion and control joints in pre-cast concrete panels, for sealing various roofing and siding applications, and for sealing perimeters around doors, windows and other wall penetrations.

Chem-Calk® 915 polyurethane sealant may be factory-applied to seal shop finished products or field-applied to seal erected building components in both new and remedial applications.

The sealant cures to form a durable, flexible, watertight bond with most building materials in any combination including stone, masonry, ceramic, marble, wood, steel, aluminum, fiber cement board and many other synthetic materials. In many cases, no primer is required.

Some substrates have variable surface characteristics depending on their source. The unpredictability of such surface characteristics makes it desirable to have a Pretested Adhesion to Substrates Test (PATS Program) on appropriate samples.

**Application Limitations:**
- **a)** Chem-Calk® 915 sealant is sensitive to UV light. When subjected to UV light, it can superficially change color and not retain its brilliant white characteristics. The change is limited to the surface layer and typically does not compromise its sealing properties. In areas where color retention is critical, please refer to Chem-Calk® 2000.
- **b)** Chem-Calk® 915 sealant is not recommended for use in sealing submerged dynamic joints, particularly where porous surfaces permit water infiltration to bond surfaces.
- **c)** Chem-Calk® 915 sealant is not recommended for use in sealing horizontal decks, patios, driveways or terrace joints where abrasion or physical abuse is encountered.
- **d)** Chem-Calk® 915 sealant is not recommended for exterior or interior structural sealing below the waterline in marine applications.
- **e)** Chem-Calk® 915 sealant requires atmospheric pressure to cure properly. It should not be used in totally confined or air free spaces.
- **f)** Chem-Calk® 915 can be applied at lower than optimal temperatures. However, care must be taken to assure that all substrates are free of frost and/or condensation. Lastly, Chem-Calk® 915 cures with reaction with relative humidity, curing times can be extended due to lack of humidity. The sealant should be stored at 40°F (5°C) or above at standard warehouse conditions.
- **g)** Chem-Calk® 915 sealant should not be applied with wet tooling.
### Method of Application:

Install backup material or joint filler, spacer shims and tapes as specified. Apply Chem-Calk® 915 polyurethane sealant in a continuous operation using a positive pressure adequate to properly fill and seal the joint. Tool the sealant with adequate pressure to spread the sealant against the backup material and onto the joint surfaces. A tool with a concave profile is recommended to keep the sealant within the joint.

Excess sealant should be dry-wiped from all surfaces while still uncured, following with a commercial solvent such as xylol, toluol, or methyl ethyl ketone. Should sealant accidentally begin to cure on adjacent porous surfaces, the excess sealant should be allowed to progress through the initial cure or setup. It should be removed promptly by abrasion or other mechanical means.

Chem-Calk® 915 sealant may be used with bulk dispensing equipment. Consult Bostik Technical Services for specific equipment recommendations.

### INSTALLATION

**Joint Design:**

More joint movement can be accommodated in a thin bead of sealant than a thick bead. Chem-Calk® 915 polyurethane sealant should be no thicker than 1/2" (12.7mm) and no more than 1/8" movement in a single direction without affecting the seal or adhesive bond.

Chem-Calk® 915 sealant may be used with masonry, metal, wood, or glass. Consult Bostik Technical Services for specific application recommendations.

### Precaution:

On contact, uncured sealant causes irritation. Avoid contact with eyes and skin. Contact lens wearers take appropriate precautions. IN CASE OF CONTACT, FLUSH EYES WITH WATER. CALL A PHYSICIAN. Remove from skin with dry cloth or paper towel. KEEP OUT OF REACH OF CHILDREN. Chem-Calk® 915 is manufactured for industrial use only. Use in accordance with Material Safety Data Sheet.

### Food Status:

Chem-Calk® 915 has no food status. (See Chem-Calk® 1200 silicone sealant or Chem-Calk® 900 polyurethane sealant.)

### Packaging:

Chem-Calk® 915 polyurethane sealant is available in 10.3 fl. oz. (304 ml) cartridges, 24 per case; 20 fl. oz. (600 ml) sausage packs, 12 per case. Contact Technical Service Construction Sealants for alternative packaging.

### Colors:

Chem-Calk® 915 is available in the following standard colors for 10.3 oz. cartridges:
- White
- Black
- Limestone
- Almond
- Medium Bronze
- Banana

Chem-Calk® 915 colors available for 20 fl. oz. sausages are:
- White
- Black
- Limestone
- Almond
- Stone
- Bronze

### Availability:

Chem-Calk® 915 polyurethane sealant is available throughout the United States through distributors. For the name of your nearest distributor, contact Bostik at 888-603-4556. For technical support, call (800) 523-2678.

### Shelf Life:

When stored at or below 80°F (27°C), Chem-Calk® 915 polyurethane sealant has a shelf life of fifteen months from date of manufacture.

### WARRANTY

Limited Warranty:

All statements, technical information and recommendations set forth herein are based on tests which Bostik Findley believes to be reliable. However, Bostik Findley does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sale of this product shall be on terms and conditions set forth on Bostik Findley’s order acknowledgment. Bostik Findley warrants that the product conforms with Bostik Findley written specifications, and is free from defects. BOSTIK FINDLEY, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER’S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR RECOVERY OF THE BUYER’S PURCHASE PRICE. IN NO CASE WILL BOSTIK FINDLEY, INC. BE LIABLE FOR DIRECT, CONSEQUENTIAL, ECONOMIC OR OTHER DAMAGES.

### MAINTENANCE

No maintenance should be needed. If sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area, and repair with fresh Chem-Calk® 915.

### TECHNICAL SERVICES

Pretested Adhesion to Substrates (PATS) Program:

The program is intended to eliminate potential field problems by pretesting Bostik Findley construction sealants with samples of building materials on which the sealant will be applied. The tests will aid in determining the proper surface preparation method, effective solvents for cleaning and whether priming is necessary to achieve optimum adhesion. Following this procedure, many of the unknown variables that affect field success will be removed. Test samples or coupons should be identified as to manufacturer, origin, designed use, building project, person and firm originating the request. Appropriate sketches or drawings showing the intended use can be helpful. Contact your local Bostik Findley representative.

### TECHNICAL DATA

Chem-Calk® 915 polyurethane sealant is resistant to normal weathering conditions such as rain, sunlight, snow, street, ultraviolet radiation, ozone, atmospheric contamination, and pollution.

Joints formed with this sealant can be designed in widths less than 1/4”. Joints designed in widths between 1/2” and 1”, the ratio of sealant width to depth should be approximately 2:1. Sealant depth in joints between 1/4” and 1/2” should be 1/4” deep. Joints with dynamic movement should not be designed in widths less than 1/4”.

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Joints formed with this sealant can be designed in widths less than 1/4”. Joints designed in widths between 1/2” and 1”, the ratio of sealant width to depth should be approximately 2:1. Sealant depth in joints between 1/4” and 1/2” should be 1/4” deep. Joints with dynamic movement should not be designed in widths less than 1/4”.

### Table 3: CHEM-CALK® 915 – ASTM C-794 ADHESION-IN-PEEL TO COMMON CONSTRUCTION SURFACES

<table>
<thead>
<tr>
<th>Surface</th>
<th>lbs. / Inch</th>
<th>Failure Type and %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mill Finished Aluminum**</td>
<td>10</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Anodized Aluminum</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Steel</td>
<td>&gt;25</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Galvanized Steel</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Stainless Steel**</td>
<td>11</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>22</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>ABS**</td>
<td>10</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Rigid PVC**</td>
<td>8</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Plywood**</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Concrete***</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Brick</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Granite</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
<tr>
<td>Marble**</td>
<td>&gt;10</td>
<td>Adhesive – 100</td>
</tr>
<tr>
<td>Limestone***</td>
<td>&gt;25</td>
<td>Cohesive – 100</td>
</tr>
</tbody>
</table>

Bostik sealants given above are not intended to be used in specification preparation. **With primer, value is >25, Cohesive – 100.

**Peel values are reduced when unprimed samples are water-immersed.

Techniques, using solvents, water or detergent/soup solutions is not recommended.

b) Chem-Calk® 915 sealant should not be applied to surfaces with special protective or cosmetic coatings without prior consultation of the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass, or surfaces coated with Teflon®, polyethylene, or polypropylene.

i) Chem-Calk® 915 Sealant should not be applied to unpredictable absorptive surfaces such as marble, limestone, or granite unless a standard appearance has been agreed on as a result of testing for stain and/or discoloration.

j) Chem-Calk® 915 is paintable when cured with latex-type paints. Oil based paints may dry poorly if applied over Chem-Calk® 915.

k) In general, Chem-Calk® 915 and other one-component urethanes are not designed as glazing sealants in which the adhesive bond to glass is exposed to sunlight. The user or specifier should establish that any application of Chem-Calk® 915 in glazing will not expose the glass bond to appreciable amounts of ultraviolet radiation.
METHOD OF APPLICATION:

WITH THIS WARRANTY SHALL

AVAILABILITY

APPlicable Standards:

TABLE 3:

<table>
<thead>
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<th>Surface</th>
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</tr>
<tr>
<td>Steel</td>
<td>15</td>
<td>Adhesive – 100</td>
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<tr>
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Boats given above are not intended to be used in specification preparation. **With primer, value is > 25, Cohesive = 100. ***Peel values are reduced when unprimed samples are water-immersed.

Techniques: using solvents, water or detergent/soup solutions is not recommended.

b) Chem-Calk® 915 sealant should not be applied to surfaces with special protective or cosmetic coatings without prior consultation of the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass, or surfaces coated with Teflon®, polyethylene, or polypropylene.

c) Chem-Calk® 915 Sealant should not be applied to unpredictable absorptive surfaces such as marble, limestone, or granite unless a standard appearance has been agreed on as a result of testing for stain and/or discoloration.

d) Chem-Calk® 915 is paintable when cured with latex-type paints. Oil based paints may or may not be properly applied, if applied over Chem-Calk® 915.

e) In general, Chem-Calk® 915 and other one-component urethanes are not designed as glazing sealants in which the adhesive bond to glass is exposed to sunlight. The user or specifier should establish that any application of Chem-Calk® 915 in glazing will not expose the glass bond to appreciable amounts of ultraviolet radiation.

Applicable Standards:

Chem-Calk® 915 sealant meets or exceeds the test requirements of TTS-0020C (COM-NBS) for one-component sealants as Class A, Non-Sag, and conforms to ASTM C920 Standard Specifications for Elastomeric Joint Sealants as Type S, Grade NS. Class 25, Use NT, A and M. Canadian Specification CAN/CGBS 19.13.

TECHNICAL DATA:

Chem-Calk® 915 polyurethane sealant is resistant to normal weathering conditions such as rain, sunlight, snow, sleet, ultraviolet radiation, ozone, atmospheric contamination, and pollution.

Joint forms with this sealant can be expected to extend and compress a total of 50% of the installation width with no more than 15% movement in a single direction without affecting the seal or adhesive bond.

Chem-Calk® 915 sealant may be used with bulk dispensing equipment. Consult Bostik Technical Services for specific equipment recommendations.

INSTALLATION:

Joint Design:

More joint movement can be accommodated in a thin bead of sealant than a thick bead. Chem-Calk® 915 polyurethane sealant should be no thicker than 1/2" (12.7mm) and no more than 1/4" (6.4mm). In joints between 1/2" and 1", the ratio of sealant width to depth should be approximately 2:1. Sealant depth in joints between 1/4" and 1/2" should be 1/4" deep. Joints with dynamic movement should not be designed in widths less than 1/4".

Priming:

Chem-Calk® 915 polyurethane weatherproofing sealant generally does not require priming for masonry, anodized aluminum, galvanized steel and many common building materials. Should sealant be applied to a material with specially treated surfaces or of particularly unusual surface characteristics, consult Bostik for primer recommendations. Prior to any use, however, it is always recommended that a head of sealant be applied on the surface to test adhesion. See Pretested Adhesion to Substrates Program.

Method of Application:

Install backup material or joint filler, spacer shims and tapes as specified. Apply Chem-Calk® 915 polyurethane sealant in a continuous operation using a positive pressure adequate to properly fill and seal the joint. Tool the sealant with adequate pressure to spread the sealant against the backup material and onto the joint surfaces. A tool with a concave profile is recommended to keep the sealant within the joint.

Excess sealant should be dry-wiped from all surfaces while still uncured, following with a commercial solvent such as xylol, toluol, or methyl ethyl ketone. Should sealant accidentally begin to cure on adjacent porous surfaces, the excess sealant should be allowed to progress through the initial cure or setup. It should be removed promptly by abrasion or other mechanical means.

CURED SEALANT IS USUALLY VERY DIFFICULT TO REMOVE WITHOUT ALTERING OR DAMAGING THE SURFACE TO WHICH THE SEALANT HAS BEEN MIS-APPLIED.

Precaution:

On contact, uncured sealant causes irritation. Avoid contact with eyes and skin. Contact lens wearers take appropriate precautions. IN CASE OF CONTACT, FLUSH EYES WITH WATER. CALL A PHYSICIAN.

Data Sheet.

Chem-Calk® 915 polyurethane sealant is available through distributors. For the name of your nearest distributor, contact Bostik at 888-603-4558. For technical support, call (800) 523-2678.

Shelf Life:

When stored at or below 80°F (27°C), Chem-Calk® 915 polyurethane sealant has a shelf life of fifteen months from date of manufacture.

WARRANTY:

Limited Warranty:

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MAINTENANCE:

No maintenance should be needed. If sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area, and repair with fresh Chem-Calk® 915.

TECHNICAL SERVICES:

Pretested Adhesion to Substrates (PATS) Program:

The program is intended to eliminate potential field problems by pretesting Bostik’s construction sealants with samples of building materials on which the sealant will be applied. The tests will aid in determining the proper surface preparation method, effective solvents for cleaning and whether priming is necessary to achieve optimum adhesion. Following this procedure will remove many of the unknown variables that affect field success.

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Bostik Findley, Inc. is the exclusive distributor of Chem-Calk® 915.

Bostik Findley, Inc. does not guarantee the accuracy or completeness of these statements. Any warranty or representation of these statements is the responsibility of the user.

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Chem-Calk® 915 sealant is a one-component polyurethane sealant capable of dynamic joint movement totaling 50% of original joint geometry (±25%). The sealant cures to a tough, flexible rubber when exposed to moisture present in the atmosphere.

Composition:
Chem-Calk® 915 polyurethane sealant has a consistency like toothpaste, its physical properties will remain relatively stable over time and in varying weather conditions. Its physical properties are relatively unchanged over a wide temperature range, -40°F to 150°F (-40°C to 66°C).

Basic Uses:
Chem-Calk® 915 sealant is designed for sealing expansion and control joints in pre-cast concrete panels, for sealing various roofing and siding applications, and for sealing perimeters around doors, windows and other wall penetrations.

Chem-Calk® 915 polyurethane sealant may be factory-applied to seal shop finished products or field-applied to seal erected building components in both new and remedial applications.

The sealant cures to form a durable, flexible, watertight bond with most building materials in any combination including stone, masonry, ceramic, marble, wood, steel, aluminum, fiber cement board and many other synthetic materials. In many cases, no primer is required.

Some substrates have variable surface characteristics depending on their source. The unpredictability of such surface characteristics makes it desirable to have a Pretested Adhesion to Substrates Test (PATS Program) on appropriate samples.

Application Limitations:

a) Chem-Calk® 915 sealant is sensitive to UV light. When subjected to UV light, it can superficially change color and not retain its brilliant white characteristics. The change is limited to the surface layer and typically does not compromise its sealing properties. In areas where color retention is critical, please refer to Chem-Calk® 2000.

b) Chem-Calk® 915 sealant is not recommended for use in sealing horizontal decks, patios, driveways or terrace joints where abrasion or physical abuse is encountered.

c) Chem-Calk® 915 sealant is not recommended for use in sealing submerged dynamic joints, particularly where porous surfaces permit water infiltration to bond surfaces.

d) Chem-Calk® 915 sealant is not recommended for exterior or interior structural sealing below the waterline in marine applications.

e) Chem-Calk® 915 sealant requires atmospheric pressure to cure properly. It should not be used in totally confined or air free spaces.

f) Chem-Calk® 915 can be applied at lower than optimal temperatures. However, care must be taken to assure that all substrates are free of frost and/or condensation. Lastly, Chem-Calk® 915 cures with reaction with relative humidity, curing times can be extended due to lack of humidity. The sealant should be stored at 40°F (5°C) or above at standard warehouse conditions.

g) Chem-Calk® 915 sealant should not be applied with wet tooling.