

SELECTION & SPECIFICATION DATA

Generic Type	Two-component polysulfide joint sealant
Description	Caulk 149 is a highly flexible, two-component, 100% solids, chemically resistant sealant. It will withstand repeated expansion and contraction and remain resilient through daily and seasonal cyclic changes in temperature. Caulk 149 is to be used as a general purpose expansion joint sealant designed for splash and spill and secondary containment of moderate strength acids, alkalis and some solvents typically found in industrial chemical processing.
Features	<ul style="list-style-type: none"> • Outstanding elongation properties • Long term abrasion and chemical resistance • Excellent bond strength assures good adhesion • Factory proportioned packaging ensures consistent high quality and simplified mixing • VOC Compliant in all U.S. states • USDA Compliant
Typical Uses	<ul style="list-style-type: none"> • Secondary Containment • Process Areas • Plating • Pharmaceutical • Electronics • Power Stations
Color	Gray (0700)
Primer	The following Primers are compatible with Caulk 149: Primer 67, Primer 67LV, Primer 67DP, Primer 67DPLV, Primer 67DTO & Primer 60.
Recommended Thickness	20 mils to 2" Typical chime angle sealant application will range from ½ inch over the angle to approximately 20 mils at the outer edges.
Solids Content	By Volume 100%
Coverage Rate	<p><u>Width x Depth = Coverage Rate in Lineal Feet:</u> (Coverage Rate for Joint Sizes for a 1.5 gallon kit)</p> <p>1 1/2" x 3/4" = 25.5 Lineal Feet 1" x 1/2" = 57 Lineal Feet 3/4" x 3/8" = 102 Lineal Feet</p>
VOC Values	As Supplied : 0 g/l
Dry Temp. Resistance	Continuous: 150°F (66°C)

SUBSTRATES & SURFACE PREPARATION

General	<p>Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.</p> <p>For all surfaces prime with specific Dudick primer as recommended by your Carboline or Dudick Representative. Refer to the specific primer's Product Data Sheet for detailed requirements.</p>
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Caulk 149

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

Steel	Heavy non-immersion service (i.e. fumes and spillage): Near white, SSPC SP 10 or NACE #2, minimum 2.0 mil profile. Atmospheric service: Commercial SSPC SP 6 or NACE #3, minimum 2.0 mil profile.
Concrete	Concrete must be prepared mechanically to remove the surface laitance. Oils, grease or other contaminants must be removed prior to surface preparation. The prepared surface should have a minimum tensile strength of 250 PSI per ASTM D-7243. All concrete substrates must be checked for moisture and pass the ASTM D4263 Plastic Sheet Test prior to product application.

PERFORMANCE DATA

Test Method	Results
Density 100 lbs. / cu. ft.	13.3 lbs. / gallon
Elongation ASTM D-412	500 – 550%
Hardness Shore ASTM D-2240	30 - 35
Specific Gravity	1.6
Tensile Strength ASTM D-412	250 PSI

MIXING & THINNING

Mixing	Prior to adding the Part B activator, mix Caulk 149 Part A for 1-2 minutes to assure that any pigment or filler which may have settled is redispersed so that a uniform color is achieved. Combine the A and B Components and stir mechanically for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and re-mix for another 30 seconds to achieve a uniform color and consistency.
Ratio	9:1 (A:B)
Pot Life	6 hours @ 50°F 2 hours @ 75°F 1.5 hours @ 90°F

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Hand Tools	Using a putty knife or similar tool, scoop Caulk 149 from the container and load onto the trowel and begin applying the sealant using the loaded trowel. Spread the sealant evenly and ensure thorough coverage. After applying the sealant, use the trowel to smooth out the surface. This helps ensure a uniform seal and removes any excess sealant.
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APPLICATION CONDITIONS

Condition	Material	Surface	Ambient
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)

CURING SCHEDULE

Surface Temp.	Cure Time
50°F (10°C)	72 Hours
75°F (24°C)	24 Hours
90°F (32°C)	20 Hours

CLEANUP & SAFETY

Cleanup | Use S-10 Cleaning Solvent to clean tools and equipment.

Safety | Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.

Ventilation | Ventilation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. Use MSHA/NIOSH approved air respirators as needed.

Caution | Fire and explosion hazards: This product contains less than 1% volatile components, however, vapors are heavier than air and can travel long distances, ignite and flash back. Eliminate all Ignitions sources. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Packaging | **1.5 Gallon Kits:**
 Part A: 1.35 gallons
 Part B: .15 Gallons

Shelf Life | Part A: 12 months
 Part B: 12 months

Storage | All Dudick products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction might occur. All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

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Shipping Weight (Approximate) | 1.5 gallon kits: 20 lbs

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.