



# Chem-Calk<sup>®</sup>

ADHESIVES AND SEALANTS

**Bostik**

*The Adhesive Company*



The Adhesive Company

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*Bostik is a global company with over 4,000 employees and 48 production facilities across five continents. Bostik's parent company is Total, a 246 billion dollar multi-national company.*

# Chem-Calk®

## STRENGTH IN SPECIFICATION

No matter what the commercial application, foundation to finish, Bostik has the high-performance adhesive and sealant to meet and exceed the challenges posed by weather, moisture, joint movement or dissimilar materials. Our broad line of adhesives and sealants provide unsurpassed adhesion, durability, flexibility, weatherability and water resistance... and we've got the industry-recognized validations to prove it. Available in two and one-component, pourable and non-sag formulas, and a broad spectrum of colors, Bostik has the product to appease even the most particular architect and the most demanding commercial application.

Chem-Calk – Sealing excellence since 1968.

What is "Strength in Specification"? In short, it is meeting a higher standard of performance, and having the industry-recognized validations and accolades to back it up. In the right hand margin you will find a list of such specifications that separate Chem-Calk adhesives and sealants from other inferior products.



Sealant, Waterproofing  
& Restoration Institute

**SWR Institute** is an international trade association that represents the commercial sealant, waterproofing and restoration construction industry. Their members are some of the most experienced and qualified contractors, manufacturers and design professionals in the industry. Members promote industry-wide standards of application and products. The members of SWR Institute are very active and are constantly striving to advance our industry and provide the highest quality products to market. Bostik is a proud member of this esteemed organization, and has many sealants that have been validated by the SWRI.



### **The American Architectural Manufacturer's Association**

is the source of performance standards, product certification and educational programs for the window, door and skylight industry. Since 1962, AAMA's ANSI-accredited Gold Label Certification Program, the original third-party window performance verification program, has provided manufacturers with the means to independently demonstrate product performance. Both Chem-Calk 2000 and Chem-Calk 2020 meet 808.3 Exterior Perimeter Sealing Compound.



### **Miami-Dade County**

Chem-Calk 915 meets the stringent requirements of Miami Dade County Building Code for high velocity hurricane zones. Achievement of the Miami-Dade NOA demonstrates the superior "hurricane strength" of this premium sealant.



### **DL Laboratories**

How can one be certain that the alleged properties set forth in a data sheet are accurate and attainable? Bostik stands behind the accuracy and legitimacy of published performance data such as ASTM C920 by having these properties verified by a third party test laboratory, such as DL Labs.



### **AIA Continuing Education**

The AIA plays an active role in the continuing education of its members. Bostik is a registered AIA Provider that strives to provide valued opportunities for AIA members to maximize their professional skills through an effective learning partnership.

# Architectural Grade Adhesives & Sealants

Available  
in 2009

## 505 | 2 COMPONENT POLYURETHANE SEALANT

Chem-Calk 505 is a solvent-free, 2-component non-sag polyurethane sealant. It cures to form a tough yet flexible seal, bonding tenaciously to cementitious substrates and other common building materials. Chem-Calk 505 creates the ultimate watertight seal for commercial applications. This durable sealant meets ASTM C920 Class 25, Use T, while meeting current VOC guidelines set forth by commercial building standards. Chem-Calk 505 meets the stringent VOC stipulations of CARB and SCAQMD.



## 2 COMPONENT SELF-LEVELING POLYURETHANE SEALANT | 555-SL

555-SL is an architectural grade, 2-component, polyurethane sealant that is engineered to offer unsurpassed durability and weatherability. This traffic-grade sealant is easy to apply, with a pourable consistency that is easy to control during application on horizontal surfaces. The inherent tear and abrasion resistance of this polyurethane sealant provide extended service life as a weather-sealing for control and expansion joint applications. Meets ASTM C920 Class 25, Use T.



## 900 | ONE COMPONENT POLYURETHANE SEALANT

Chem-Calk 900 is a premium, one-component, architecturally specified polyurethane, non-sag sealant. Chem-Calk 900 meets ASTM C-920, Type S, Grade NS, Class 25, Use NT; US Federal Specification TT-S-00230C, Type II, Class A. Principle applications include various dynamic joints, such as expansion, control and perimeter joints, and exterior sealing applications on diverse building materials.



## ONE COMPONENT SELF-LEVELING POLYURETHANE SEALANT | 955-SL

Chem-Calk 955-SL is a one-component pourable urethane sealant. Its tear and abrasion resistance characteristics, along with its strong bonding ability to concrete, delivers an ideal sealant. Its adhesion ability to many common building materials allows it to be specified for various horizontal sealing projects of dissimilar substrates. Chem-Calk 955-SL is an excellent crack repair sealant. Meets ASTM C920 Class 35, Use T



## ONE COMPONENT HYBRID SEALANT | 2020

Chem-Calk 2020 is a one-component, moisture curable advanced hybrid sealant that offers superior adhesion to vinyl siding, vinyl trim board and a variety of dissimilar surfaces. Chem-Calk 2020 exhibits "stay white/non-yellowing" characteristics, and offers superb paintability. It is suitable for most building materials, including stone, masonry, wood, engineered wood, hardboard, aluminum and a variety of other metals. Chem-Calk 2020 has a non-sag consistency suitable for most vertical applications. Chem-Calk 2020 meets ASTM 920, Type S, Grade NS, Class 50.



# Construction Grade Adhesives & Sealants

## 915 | ONE COMPONENT POLYURETHANE SEALANT

Chem-Calk 915 is a one-component, polyurethane, non-sag sealant. Chem-Calk 915 meets ASTM C-920, Class 35, Use T; US. Federal-Specification TT-S-00230C, Type II, Class A. Key applications include perimeter sealing of windows and doors and masonry applications, such as expansion and control joints. Chem-Calk 915 meets the stringent requirements of Miami Dade County Building Code for high velocity hurricane zones, NOA 06-1002.10.



## 916 | TEXTURED ONE COMPONENT URETHANE SEALANT

Chem-Calk 916 is a one-component, polyurethane, non-sag, textured sealant. It exhibits a textured appearance for excellent transitional sealing between materials of different textures. Chem-Calk 916 meets ASTM C-920, Type S, Grade NS, Class 25, Use NT; US. Federal Specification TT-S-00230C, Type II, Class A. Primary applications include perimeter sealing in masonry, perimeter sealing of windows and doors, construction joints, and control and expansion joints.



## 2000 | ONE COMPONENT HYBRID SEALANT

Chem-Calk 2000 is a one-component, advanced hybrid sealant. Chem-Calk 2000 is colorfast and has long lasting elastomeric qualities for construction grade applications. Chem-Calk 2000 meets ASTM C-920, Type S, Grade NS, Class 25, Use NT; US. Federal Specification TT-S-00230C, Type II, Class A. Primary applications include vinyl window perimeter sealing and engineered trim board applications. Chem-Calk 2000 is also available as textured, Chem-Calk 2000T.



# General Purpose Grade Adhesives & Sealants



## GPS1 | ONE COMPONENT POLYURETHANE SEALANT

Chem-Calk GPS1 is a one-component, polyurethane, non-sag sealant specifically formulated to fulfill general sealing installations while exhibiting excellent dynamic movement capability. Chem-Calk GPS1 meets ASTM C-920, Type S, Grade NS, Class 25, Use NT; US. Federal Specification TT-S-00230C, Type II, Class A. Suggested applications are sealing roofing components, such as flashing, soffit/fascia, and termination bar and general exterior sealing of dissimilar building materials.



## 1200 | ACETOXY CURE SILICONE SEALANT

Chem-Calk 1200 is a one-component RTV architectural grade silicone sealant primarily formulated to be used on non-porous surfaces. Its inherent superior weathering properties allow it to be used on exterior applications that must withstand the harshest of atmospheric conditions. Chem-Calk 1200 has particularly good adhesion to substrates, such as glass, metals, ceramics and most plastics.



## FRP | ACRYLIC LATEX ADHESIVE

Chem-Calk FRP is a synthetic acrylic, latex-based adhesive for interior installations only. FRP is low odor, fast grab, and has easy-to-trowel properties which makes it "the contractors' friend" when installing Fiber-Reinforced Panels. FRP possesses a solids content of 70% by weight, and adjustability time of 25-30 minutes.



## 300 | ONE COMPONENT BUTYL SEALANT

Chem-Calk 300 is a high performance butyl sealant. It is designed as a commercial-grade, butyl sealant for roofing applications. Chem-Calk 300 meets ASTM 1311 and US. Federal Specification TT-S-001657. Primary applications are sealing applications where little or no movement is expected, such as thresholds and sill plates and where water resistant properties are needed.



# Primers

## PRIMERS | N-32, N-40 AND PRIME COAT

Primer N-32 has been developed to provide adhesion on surfaces coated with fluorocarbons, silicone acrylics, etc. Drying time: approximately 5 to 10 minutes.

Primer N-40 has been developed for use on anodized and mill-finish aluminum and most other metals.

Prime Coat Primer is recommended for use on concrete, masonry, wood and most porous substrates if intermittent or continuous water immersion is anticipated.



## Chem-Calk Profiles and Properties

Product	Curing Mechanism	Temperature Range	Cure Time	Skin Time	Tensile Strength	Elongation %	Shore A Hardness	Applicable Standards
300	Solvent Release	-20 to 150°F	>4 days	72 hours	80 psi	500%	25	ASTM C1311, TT-S-001657
505	Chemical	-40 to 150°F	4-7 days	8 hours	120 psi	750%	28	ASTM C920, TT-S-227
555-SL	Chemical	-40 to 150°F	4-7 days	8 hours	230 psi	750%	35	ASTM C920, TT-S-227
900	Atmospheric Moisture	-40 to 150°F	3-6 days	6 hours	180 psi	950%	38	ASTM C920, Class 35, TT-S-00230C
915	Atmospheric Moisture	-40 to 150°F	2-4 days	6 hours	133 psi	685%	38	ASTM C920, Class 35, TT-S-00230C,
916	Atmospheric Moisture	-40 to 150°F	2-4 days	6 hours	143 psi	564%	38	ASTM C920, Class 25, TT-S-00230C
955-SL	Atmospheric Moisture	-40 to 150°F	3-6 days	4 hours	171 psi	500%	48	ASTM C920, Class 35, TT-S-00230C
1200	Atmospheric Moisture	-85 to 450°F	2-4 days	≥30 mins	350 psi	600%	29	ASTM C920, Class 25, TT-S-00230C, TT-S-01543A
2000	Atmospheric Moisture	-40 to 210°F	1-1 1/2 days	30 mins	260 psi	520%	35	ASTM C920, Class 25, TT-S-00230C
2020	Atmospheric Moisture	-40 to 210°F	1-2 days	60 mins	220 psi	700%	40	ASTM C920, Class 50, TT-S-00230C
GPS1	Atmospheric Moisture	-40 to 180°F	2-4 days	1 hour	135 psi	550%	35	ASTM C920, Class 25, TT-S-00230C
FRP Adhesive	Water Release	-32 to 150°F	3 days	< 45 min	200 psi	225%	50	N/A

Note: Not intended to be used for specification preparation.

## Industry Alliances



All statements, technical information and recommendations set forth herein are based on tests, which Bostik believes to be reliable. However, Bostik does not guarantee their accuracy or completeness. The buyer should conduct their own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik's order acknowledgement. Bostik warrants that the product conforms with Bostik written specifications and is free from defects. BOSTIK 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 THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL BOSTIK BE LIABLE FOR DIRECT, CONSEQUENTIAL, ECONOMIC OR OTHER DAMAGES.

The technical information supplied is typical physical property data and is not intended for specification use.

## BuildingGreen

*BuildingGreen* is an independent company committed to helping building-industry professionals improve the environmental performance and reduce the adverse impacts of buildings.

*GreenSpec* is BuildingGreen's premiere product information service. It contains detailed listings for more than 1,700 environmentally preferable building products with descriptions, manufacturer information, and links to additional resources. All listings are screened and written exclusively by our staff. The BuildingGreen logo denotes those Bostik products that are specified on [www.buildinggreen.com](http://www.buildinggreen.com).



The VOC Compliant logo designates Bostik products that meet or exceed all Federal, State, and local VOC standards

for VOC content, including EPA, CARB, AQMDs and OTC.



*GreenFormat* will provide a standardized format for reporting information about the sustainable attributes of construction products. This information will be stored in a Web-accessible database that allows users to sort and view the data in various ways to best suit a project's needs. The database offers an additional benefit to manufacturers, as it provides a way to present clear, consistent, and concise information on the lifecycle qualities of products to specifiers.

## Our Green Mission

As a global leader in adhesives, coatings and sealant technologies, Bostik continuously strives to commercialize products that minimize environmental impact and promote the health and well being of our customers. Bostik shall demonstrate these objectives by achieving compliance with the most rigorous standards set forth by industry recognized green building authorities.

**Many of the products featured in this catalog are LEED® compliant. For a complete list of Bostik Construction Products that could contribute to LEED credits, email us at [contactus@bostik-us.com](mailto:contactus@bostik-us.com) - Subject: VOC Product Portfolio or visit us at [www.greenmission.bostik-us.com](http://www.greenmission.bostik-us.com).**

## Our Commitment to "Green"

Bostik continuously proves its commitment to the environment by offering its customers "green" products that are environmentally friendly and which anticipate regulatory improvements and responses to requirements.

All of our production facilities rigorously and systematically monitor their emissions and wastes.

Performance indicators allow us to regularly check on the environmental performances of our plants. Systems are established to manage our environmental performance, as well as safety and quality achievement.

By aligning our business with 'green' coalitions, such as the U.S. Green Building Council and Green Building Initiative, Bostik endeavors to offer our customers the safest and eco-friendliest products on the market.



The U.S. Green Building Council (USGBC) is the nation's foremost coalition of leaders from every sector of the building industry working to promote buildings that are environmentally responsible, profitable and healthy places to live and work. Their more than 7,200 member organizations and network of more than 80 regional chapters are united to advance their mission of transforming the building industry to sustainability.

The mission of the Green Building Initiative is to accelerate the adoption of building practices that result in energy-efficient, healthier and environmentally sustainable buildings by promoting credible and practical green building approaches for residential and commercial construction. Bostik is key sponsor of the Green Building Initiative.

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