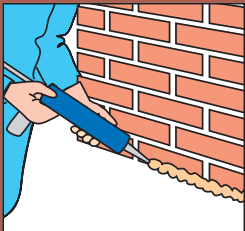
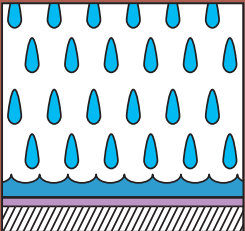


Perimeter Sealing



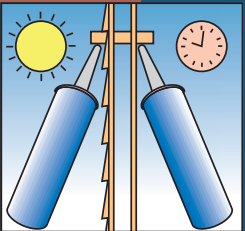
Transitional Sealing



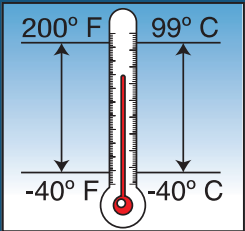
Color Stable/Paintable
Weather Resistant



Environmentally
Friendly/Low VOCs



Interior/Exterior
Applications



Temperature
Performance

TYPICAL PROPERTIES

PRODUCT	CURING MECHANISM	TEMPERATURE RANGE	CURE TIME	SKIN TIME	TENSILE STRENGTH	ELONGATION %	SHORE A HARDNESS	APPLICABLE STANDARDS
300	Solvent	-20 to 150°F	>4 days	72 hours	80 psi	500%	25	TT-S-001657
500	Chemical	-20 to 150°F	4-7 days	8 hours	120 psi	750%	28	TT-S-227, ASTM C920, CAN/CGSB-19.24-M90
550	Chemical	-20 to 150°F	4-7 days	8 hours	230 psi	750%	35	TT-S-227, ASTM C920, CAN/CGSB-19.24-M90
600	Water Evaporation	20 to 150°F	3 days	30 mins.	130 psi	250%	50	CAN/CGSB-19.17-M90, ASTM D-834
900	Atmospheric Moisture	-40 to 150°F	3-6 days	6 hours	180 psi	950%	38	TT-S-00230C, ASTM C920, Canadian CAN/CGSB-19.13-M87
915	Atmospheric Moisture	-40 to 150°F	2-4 days	6 hours	133 psi	685%	38	TT-S-00230C, ASTM C920, Canadian CAN/CGSB-19.13-M87
916	Atmospheric Moisture	-20 to 150°F	2-4 days	6 hours	143 psi	564%	38	TT-S-00230C, ASTM C920
950	Atmospheric Moisture	-20 to 150°F	3-6 days	4 hours	171 psi	500%	48	TT-S-00230C, ASTM C920
1200	Atmospheric Moisture	-85 to 450°F	2-4 days	≥30 mins.	350 psi	600%	29	TT-S-00230C, TT-S-01543A, ASTM C920
2000	Atmospheric Moisture	-40 to 210°F	1-1 1/2 days	30 mins.	260 psi	520%	35	ASTM C920, TT230
Fast Set	Atmospheric Moisture	-40 to 150°F	1-3 days	90 mins.	250 psi	850%	37	TT-S-00230C, ASTM C920, CAN/CGSB-19.13-M87
Painters' Caulk	Water Evaporation	20 to 150°F	3 days	45 mins.	130 psi	250%	50	None
Sub-Floor	Atmospheric Moisture	-20 to 150°F	1-3 days	1-3 hours	Consult Technical Service- Construction for Specifications			
FCB Smooth	Atmospheric Moisture	-40 to 150°F	2-4 days	6 hours	133 psi	685%	38	TT-S-00230C, ASTM C920, Canadian CAN/CGSB-19.13-M87
FCB Textured	Atmospheric Moisture	-20 to 150°F	2-4 days	6 hours	143 psi	564%	38	TT-S-00230C, ASTM C920

NOTE: Not intended to be used for specification preparation.

Distributed by:

Bostik Findley construction sealants meet ALL of your construction needs for Siding, Roofing, Concrete, Interior, Sub-Floor, and Architectural projects.

Bostik® Chem-Calk® Construction and Architectural Grade Sealants are advanced formulations that deliver long-lasting results under the most demanding conditions. From sealing expansion and control joints in pre-cast concrete panels to weather sealing roofing applications to perimeter building components, there's a Chem-Calk product that gets the job done right. No matter what the application, foundation to finish, Bostik Findley has a high-performance sealant to meet the problems posed by weather, moisture, joint movement and dissimilar materials. Our full line of construction products provide excellent adhesion, durability, flexibility, weatherability and water resistance. Available in single- and multi-component, non-sag and pourable formulas, Bostik Findley construction sealants come in a variety of colors to match numerous substrates.

SIDING

For Vinyl, Aluminum and Fiber Cement Board

■ **CHEM-CALK® 900 POLYURETHANE SEALANT** – is the urethane of choice when choosing a premium urethane for siding installations. It has weather sealing capabilities for wood, select vinyls, aluminum and fiber cement board siding products. Chem-Calk 900 possesses superior sealing performance in transitional sealing applications.

■ **CHEM-CALK® 915 SMOOTH URETHANE SEALANT** – is a contractor's grade urethane sealant. Its ability to bond to a number of various building materials make it the prime choice for sealing siding applications where dissimilar materials are used. Its moisture technology greatly reduces shrinkage during cure versus other traditional solvent release caulks. Chem-Calk 915 is available in a full array of colors to complement many building materials.

■ **CHEM-CALK® 916 TEXTURED URETHANE SEALANT** – is a textured one-component urethane sealant. It's designed to enhance the textured qualities of adjoining building materials. Chem-Calk 916 has comparative performance qualities to that of Chem-Calk 915. It is particularly effective when remodeling existing structures where a weathered appearance is desired. Furthermore, it does not rely on solvent release properties to cure so shrinkage does not take place, making Chem-Calk 916 a superb transitional sealant.

■ **CHEM-CALK® 2000 ULTIMATE FORMULA SEALANT** – is the "ultimate" in hybrid technology for high performance sealants. It's the choice of sealants for exterior applications with various siding materials. Chem-Calk 2000 has non-yellowing and non-gassing properties to meet the aesthetic demands of today's siding materials including vinyl, wood, aluminum and fiber cement board. It can be painted, allowing its use as a transitional seal between dissimilar building materials.

■ **CHEM-CALK® FCB** – is a one-component, urethane sealant that has been specifically formulated to provide superior adhesion to fiber cement board products. The outstanding elastic properties of this sealant allow it to be used with the various components of a fiber cement board siding system. Its inherent adhesion capabilities to many building materials allows its use as a transitional seal to other building materials such as wood, select vinyls and metals. Chem-Calk FCB is available in the traditional smooth and the newer textured formulas.

ROOFING

For Flashing, Shingles, Steel, Single-Ply, Roof Penetrations and Pitch Pocket

■ **CHEM-CALK® 300 BUTYL RUBBER SEALANT** – is an architectural grade butyl rubber sealant designed for applications where little or no movement occurs. It possesses good water resistance and has solid sealing capabilities to many materials common to the roofing industry including wood, masonry and rubber materials.

■ **CHEM-CALK® 900 POLYURETHANE SEALANT** – is a one-component polyurethane sealant that reacts with the atmospheric moisture to cure versus traditional solvent release caulks that can exhibit high shrinkage in roofing applications. It has tenacious sealing characteristics to various metals including aluminum, galvanized, copper and many dissimilar materials such as wood and masonry products.

■ **CHEM-CALK® 915 SMOOTH URETHANE SEALANT** – is a contractor's grade urethane that cures with reaction to atmospheric moisture forming weather tight seals between various building materials. Its low shrinkage and elastomeric qualities make it the ideal contractor grade sealant for flashing, roof penetrations and termination bar sealing.

■ **CHEM-CALK® 916 TEXTURED URETHANE SEALANT** – is a textured one-component urethane sealant. It offers the roofer a textured version of the successful Chem-Calk 915. Chem-Calk 916 is the ideal sealant to transition from traditional roofing materials to concrete and/or cementitious materials. Combined with low solvent content and reactive technology, Chem-Calk 916 is the textured sealant of choice where little or no shrinkage is desired.

CONCRETE

For Pre-Cast Panels, Tilt-Up, Sidewalks, Expansion & Control Joints and Concrete Decks

For VERTICAL APPLICATIONS we recommend the following NON-SAG FORMULAS:

■ **CHEM-CALK® 500 VERTICAL APPLICATION** – is a two-component, non-sag, polyurethane sealant. It is designed to exhibit dynamic sealing capabilities for general concrete construction such as control and expansion joints. Its bonding capabilities to other building materials make it the sealant of choice where color selection and weather sealing of dissimilar materials is critical. The Uni-Base Color System allows specific color formulating to coordinate with the aesthetic color demands of today. See "Architectural Projects" for details.

■ **CHEM-CALK® 900 POLYURETHANE SEALANT** – is an architectural grade non-sag urethane. Once cured, Chem-Calk 900 exhibits superior weathering characteristics and movement capabilities. It exhibits superior adhesion capabilities to concrete and most building materials and has user-friendly gunning properties.

■ **CHEM-CALK® 915 SMOOTH URETHANE SEALANT** - is a one-part urethane sealant that continues to be the mainstay of the Chem-Calk line as a general-purpose sealant for concrete applications. Its tenacious bonding capabilities to concrete offer excellent weather sealing functions, whether it's pre-cast concrete basement walls, panels, or double T construction. This, plus its ability to adhere to common building materials, makes it an ideal solution for sealing concrete wall penetrations.

■ **CHEM-CALK® 916 TEXTURED URETHANE SEALANT** - is a one-component urethane sealant. Its textured appearance makes it the ideal sealant for general-purpose applications with concrete. When tooled after installation, the textured appearance is enhanced, allowing its use as a transitional seal on many concrete finishes. Its adhesion to concrete and many other building materials makes Chem-Calk 916 a reliable general-purpose concrete weather sealing sealant.

■ **CHEM-CALK® FAST SET** - is a one-component fast skinning/curing urethane sealant. Its superior bond to properly cured concrete and fast curing properties make it the sealant of choice when critical timetables must be met.

For HORIZONTAL APPLICATIONS we recommend the following POURABLE FORMULAS:

■ **CHEM-CALK® 950 POLYURETHANE SEALANT** - 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. When sealing pedestrian ways, residential driveways, and mall areas – not to mention patios, floors and other similar applications, Chem-Calk 950 is the product of choice.

■ **CHEM-CALK® 550 HORIZONTAL APPLICATION** - is a two-component horizontal grade urethane sealant. Its pourable properties make it the ideal two-part sealant for traffic bearing joints. Application areas include parking decks, malls, and pedestrian ways. The inherent tear and abrasion resistance characteristics of this urethane technology offer years of service as a weather sealing sealant. Chem-Calk 550 utilizes the Uni-Base Color System. Custom color formulating comes in quantities of 1.5 gallon increments. No need to stock two bases as the Uni-Base Color System is capable of producing multiple color formulations.



INTERIOR

For Window and Door Frames, Sheet Rock, Ceiling-to-Wall Joints, Moldings and Dissimilar Materials

■ **CHEM-CALK® 600 ACRYLIC LATEX** – is a gun grade siliconized acrylic latex caulk for interior and limited exterior applications. It's ideal where little or no movement is experienced and ease of water cleanup is desired. Its quick skinning property reduces construction site dirt pick up, it has low odor and can be painted once skinned. Chem-Calk 600 conforms to ASTM C-834.

■ **CHEM-CALK® 1200 100% SILICONE SEALANT** – is a one-component RTV architectural grade silicone sealant. It is 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. Chem-Calk 1200 is NSF Certified for Standard 51 and is UL Recognized.

■ **CHEM-CALK® PAINTERS' CAULK** – is a painter's grade interior acrylic latex caulk. Its ease of gunning and water cleanup make it the ideal caulk for the professional painter to seal voids between pipes, walls, bathroom fixtures and many more dissimilar materials. Chem-Calk Painters' Caulk can be painted with a quality latex or oil-based paint after just 30 minutes.

INTERIOR/SUB-FLOOR

For Solid Wood Floor Joists, Stair Treads, Laminated Joist Systems, Furring Strips and Patio Decks

■ **CHEM-CALK® HEAVY DUTY URETHANE SUB-FLOOR & CONSTRUCTION ADHESIVE** – is a one-component, polyurethane adhesive specially designed for gluing sub-floor materials to solid wood floor joists and engineered laminated joist systems. It offers high strength, flexibility and extreme durability in both interior and exterior installations. When used in conjunction with mechanical fasteners, it prevents squeaks and helps keep nails securely in place. Recommended for use on site as well as with factory-built modular and mobile homes, this construction grade adhesive can also be used on stair treads, furring strips, patio decks and lap siding. It bonds wet, frozen and treated lumber to most building materials, allowing more installation time in critical climatic conditions. Certified by the Green Builder Program as a low-solvent, low-toxicity adhesive for "Built Green" homes, Chem-Calk Heavy Duty Sub-Floor & Construction Adhesive is environmentally safer and more economical to use than traditional solvent-based adhesives and requires half as much product for a lasting bond. Chem-Calk Heavy Duty Urethane Sub-Floor & Construction Adhesive conforms to AFG-01 specification.

ARCHITECTURAL PROJECTS

Bostik Findley offers a full line of products that meet Architectural specifications

■ **UNI-BASE COLOR SYSTEM** – Featuring High Performance Chem-Calk 500 and 550. This Uni-Base System can be used with all standard two-component colors as well as for color coordinating to a full array of the architectural colors used in today's construction market. The Uni-Base System eliminates the need of using dual-based sealants -- with either a colorless base or white base to create darker or lighter colors.

■ **CHEM-CALK® 500 VERTICAL APPLICATION** – is a two-component polyurethane sealant that is durable, flexible and forms a watertight bond with most building materials in any combination. Its non-sag properties make it an excellent choice for sealing joints in pre-cast concrete panels, metal curtain walls, perimeter sealing of door and window frames, plus many other uses. This two-part polyurethane-based sealant mixes readily to a creamy consistency and is designed for easy bulk dispensing. Tough and elastic, it allows for movement of up to 50% of the total joint movement. This sealant and companion curing agent is sold together in a 1.5 gallon kit.

■ **CHEM-CALK® 550 HORIZONTAL APPLICATION** – is a two-component horizontal grade urethane sealant. Compliance to applicable performance standards makes it the sealant of choice for the architectural community when a traffic grade urethane sealant is required. Its formulated adhesion properties and performance parameters make it an excellent selection for malls, sidewalks and light vehicular traffic applications. This sealant and companion curing agent are sold together in a 1.5 gallon kit.

■ **CHEM-CALK® 900 POLYURETHANE SEALANT** – is a one-component architectural polyurethane sealant. Its high performance formulation is designed to meet the demands of architectural specifications for construction urethanes. Chem-Calk 900 offers superior adhesion to most building substrates and is capable of weather sealing on both commercial and residential structures. Typical applications include expansion and control joints, perimeter sealing, and most any dynamic joint where anticipated movement is within the parameters of Chem-Calk 900.

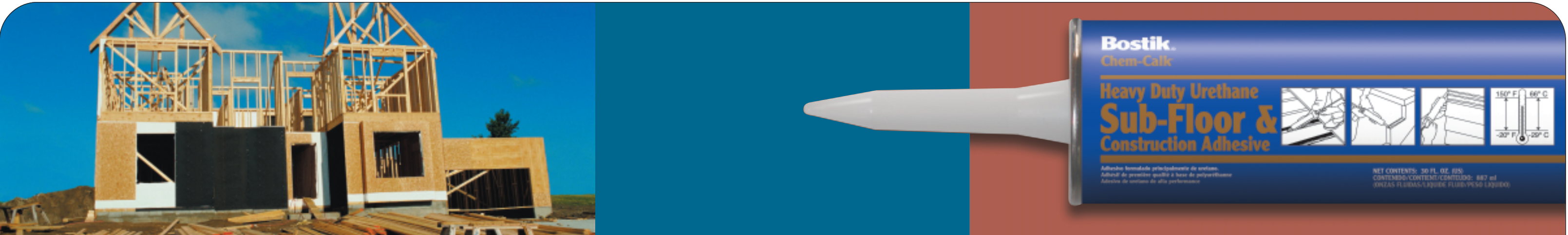
■ **CHEM-CALK® 950 POLYURETHANE SEALANT** – is a single-component horizontal grade polyurethane sealant. Its adhesion ability to many common building materials allows it to be specified for various horizontal sealing projects of dissimilar substrates.

■ **CHEM-CALK® 2000 ULTIMATE FORMULA SEALANT** – is a one-component premium grade architectural sealant. It is designed to meet the critical demands where performance AND aesthetics are critical parts of any specified project. Its non-gassing, non-yellowing properties are the "ultimate" of specified one-component sealants. Furthermore, its low VOCs and isocyanate free formulation is conducive to environmentally sensitive areas.

■ **CHEM-CALK® FAST SET** – is a premium architectural grade fast curing urethane sealant. It possesses the traditional high tear and abrasion resistance of urethanes. It's designed for fast skinning/curing to withstand movement sooner with less dirt pick-up.

Note: The above product information is not intended to be used for specification preparation.





SELECTION GUIDE

APPLICATIONS	CHEM-CALK 300	CHEM-CALK 500	CHEM-CALK 550	CHEM-CALK 600	CHEM-CALK 900	CHEM-CALK 915	CHEM-CALK 916	CHEM-CALK 950	CHEM-CALK 1200	CHEM-CALK 2000	CHEM-CALK Fast Set	CHEM-CALK FCB Smooth	CHEM-CALK FCB Textured	Painters' Caulk	Heavy Duty Sub-Floor Adhesive
Perimeter Caulking Interiors and Exterior Frames		Excellent		Good (Interior)	Excellent	Good	Good			Excellent	Excellent	Good	Good		
Perimeter Caulking Exterior Panels		Excellent			Very Good	Good				Excellent	Very Good	Good			
Coping Joints and Coping to Facade Joints		Excellent			Excellent	Very Good	Very Good			Excellent	Excellent	Very Good	Very Good		
Weather Sealing Fiber Cement Board Siding					Excellent	Very Good	Very Good			Excellent		Excellent	Very Good		
Joints of Underside of Pre-cast Beams and Planks		Excellent			Excellent	Very Good	Very Good			Excellent	Excellent	Very Good	Very Good		
Interior Control and Expansion Joints			Excellent (Hor)*	Excellent	Very Good	Very Good	Good	Excellent (Hor)*		Excellent	Excellent	Very Good	Very Good		
Floor Joist/Sub-Floor Assembly															Excellent
Exposed Interior Control Joints		Excellent			Excellent	Very Good	Very Good			Good	Excellent	Very Good	Very Good		
Sealing Around Entrances, Store Fronts and Windows		Excellent			Excellent	Very Good	Very Good		Excellent	Excellent	Excellent	Very Good	Very Good		
Sealing Metal Channels and Drop Ceilings		Excellent		Very Good	Excellent	Very Good	Very Good		Excellent	Good	Excellent	Very Good	Very Good	Good	
Metal Curtain Wall		Excellent			Very Good				Excellent	Excellent	Very Good				
Interior/Exterior Electrical and Mechanical Fixtures		Excellent			Excellent	Very Good	Very Good				Excellent	Very Good	Very Good		
Flashing	Good	Excellent			Excellent	Very Good	Very Good		Excellent	Excellent	Excellent	Very Good	Very Good		
Skylights	Good				TDS	TDS			Excellent		TDS	TDS			
Fascia/Soffit to Siding Sealing					Excellent	Very Good	Very Good			Excellent		Excellent	Very Good		
Pre-Engineered Metal Buildings	Good	Excellent			Excellent	Very Good	Good		Excellent	Excellent	Very Good	Very Good	Good		
Lap Joints	Good	Good			Very Good	Good	Good		Excellent		Very Good	Good	Good		
Fast Skin/Cure Rate Application										Excellent	Excellent				
Heating, Ventilating, Air Conditioning Ducts	Good				Very Good	Good	Good		Excellent	Excellent	Very Good	Good	Good		
Isolation Joints		Excellent	Excellent (Hor)*		Very Good	Good	Good	Excellent (Hor)*		Excellent	Very Good	Good	Good		
Site-Cast Concrete Panels						Good	Good			Excellent	Very Good	Good	Good		
Interior and Exterior Traffic Bearing Joints			Excellent					Excellent							
Counter Flashings					Excellent	Very Good	Good			Excellent		Very Good	Good		
Painter's Fillet Caulk				Excellent										Excellent	

For a detailed list of solvents and chemicals these compounds are resistant to, see specific technical data sheets.
*(Hor) = Horizontal only TDS = Refer to Technical Data Sheet.

