

Product Description

Dymonic® 100 is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag polyurethane sealant.

Basic Uses

Dymonic 100 is a durable, flexible sealant that offers excellent performance in moving joints and exhibits tenacious adhesion once fully cured. Typical applications for Dymonic 100 include expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors, and panels), aluminum, masonry and vinyl siding. Dymonic 100 is also an excellent choice as a fluid applied flashing material in rough opening perimeters for fenestration/window, door and curtain wall applications.

Features and Benefits

- Can adhere to damp or green concrete and has a skin time of 2 hr with a tack-free time of 6 to 8 hr to significantly reduce dirt attraction.
- Movement capability of +100/-50% in typical field conditions, is low VOC, paintable, jet fuel-resistant, and will not crack, craze or yellow under extreme UV exposure.
- Suitable for water immersion and will not out gas.
- Formulated with an innovative polymer technology, similar to TREMproof® 250GC and Vulkem® 45SSL, Dymonic 100 is highly versatile and has a unique capability to adhere to damp or green concrete and will not out gas.
- Compatible and can be coated over with Tremco's Vulkem Deck Coatings, ExoAir® Air Barrier products and the cold, fluid-applied TREMproof® line of below-grade waterproofing products.
- Accepted/Compatible for use over Nudura Insulated Concrete Forms (ICF)

Availability

Dymonic 100 is immediately available from your local Tremco Sales Representative, distributor, or warehouse.

Coverage Rates

308' of joint per gallon for a 1/4" x 1/4" (6 mm x 6 mm) joint. For specific coverage rates that include joint size, and usage efficiencies, visit our website usage calculator at www.tremcosealants.com

Packaging

- 10.1-oz (300-mL) cartridges
- 20-oz (600-mL) sausages

Colors

Almond, Aluminum Stone, Anodized Aluminum, Beige, Black, Bronze, Buff, Dark Bronze, Gray, Gray Stone, Hartford Green, Ivory, Light Bronze, Limestone, Natural Clay, Off White, Precast White, Redwood Tan, Sandalwood, Stone, and White.

Shelf Life

1 year when stored at 40 to 110 °F (5 to 43 °C)

Storage

Store Dymonic 100 in original, undamaged packaging in a clean, dry, protected location with temperatures between 40 to 110 °F (5 to 43 °C).

Applicable Standards

- Dymonic 100 meets or exceeds the requirements of the following specifications:
- ASTM C920 Type S, Grade NS, Class 50, Use NT, T, M, A, O, I
- U.S. Federal Specification TT-S-00230C, Class A, Type II
- CAN/CGSB-19,13-M87
- International Code Council (ICC) Section R703.8 Flashing
- AAMA 714-15 Specification for Liquid-Applied Flashing
- NFPA 285 Listed Component



Fire Rated Systems

FF-D-1186, FW-D-1117, HW-D-1122, WW-D-1200, and BW-S-0006

Limitations

- Use with adequate ventilation.
- Always utilize the accompanying MSDS for information on Personal Protective Equipment (PPE) and Health Hazards.
- Not recommended for use in chlorinated, potable, heavy or waste water.
- Although Dymonic 100 is paintable, this does not imply adhesion to and compatibility with all paints. Consult Tremco Technical Bulletin No. S-09-05 for more information.

Substrate Preparation

Surfaces must be sound and clean. All release agents, existing waterproofing, dust, loose mortar, paints, other finishes or field applied coating must be removed. This can be accomplished with a thorough wire brushing, grinding, sandblasting, or solvent washing, depending on the contamination.

Dymonic® 100

High-Performance, High Movement, Single-Component, Polyurethane Sealant

Tremco recommends that surface temperatures be 40 °F (5 °C) or above at the time the sealant is applied. If sealant must be applied in temperatures below 40 °F, please refer to the Tremco Technical Bulletin for Applying Sealants in Cold Conditions (No. S-08-44 rev 1) that can be found on our website at www.tremcosealants.com

Priming

Dymonic 100 typically adheres to common construction substrates without primers; anodized aluminum may require the use of primer. However, Tremco always recommends that a mock-up or field adhesion test be performed on the actual materials being used on the job to verify the need for a primer, proper cleaning and prep requirements. A description of the field adhesion test can be found in appendix X1 of ASTM C1193, Standard Guide for Use of Joint Sealants.

Where deemed necessary, use Vulkem® Primer #191 Low-VOC on porous substrates and TREMprime® Non-Porous Primer for metals or plastics.

Application

Dymonic 100 is easy to apply with conventional caulking equipment. Ensure that the backer rod is fitted properly for friction and that any necessary primers have been applied.

Fill the joint completely with a proper width-to-depth ratio, and then tool to ensure intimate contact of sealant with joint substrates.

Dry tooling is always preferred, although compatible wetting agents can be used in limited amounts to slick the spatula if needed after an initial pass.

For a cleaner finish, mask the sides of the joint with tape prior to filling.

Joint Design

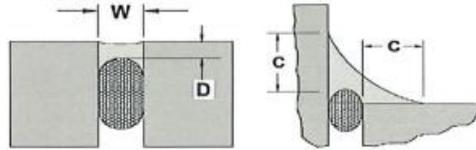
Dymonic 100 may be used in vertical or horizontal joints designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement but not less than 1/4" (6 mm).

Joint Backing

Polyethylene backer rod is recommended as joint backing to control sealant depth and ensure intimate contact of sealant with joint substrate when tooling. Where depth of joint will prevent the use of backer rod, an adhesive backed polyethylene tape (bond breaker tape) should be used to prevent three-sided adhesion. All backing should be dry at the time of sealant application.

Sealant Dimensions

W = Sealant width, D = Sealant depth, C = Contact area.



Expansion Joints- The minimum width and depth of any sealant application should be 1/4" x 1/4" (6 mm x 6 mm). The depth (D) of sealant may be equal to width (W) of joints less than 1/2" wide. For joints from 1/2" to 1" (13 mm to 25 mm) wide, the sealant depth should be approximately one-half of the joint width. The maximum depth (D) of any sealant application should be 1/2" (13 mm). For Joints that are wider than 1" (25 mm) contact Tremco Technical Services or your local Tremco Sales Representative.

Window Perimeter- For fillet beads, or angle beads around windows and doors, the sealant should exhibit a minimum surface contact area [C] of 1/4" (6 mm) onto each substrate, with provisions for release at the heel of the angle using backer rod or bond breaker tape.

Cure Time

Dymonic 100 generally cures at a rate of 3/32" per day at 75 °F (24 °C) and 50% RH. It will skin in 2 hr and be tack free in 6 to 8 hr. The cure time will increase as temperatures and/or humidity decrease. A typical rule of thumb is one additional day for every 10 °F decrease in temperature.

Clean Up

Excess sealant and smears adjacent to the joint interface can be carefully removed with xylene or mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with xylene or mineral spirits.

Warranty

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Type		Single component polyurethane sealant
Color		21 Standard Colors
Solids		98%
Specific Gravity		1.3302
Application		gun-grade sealant, applied with typical caulking equipment
Rheological Properties	ASTM C639	non-sag (NS), 0" of sag in channel
Hardness Properties	ASTM C661	40 +/-5
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	2 to 3 hr
Tack Free Time	73.4°F (23°C) 50% RH	6 to 8 hr
Stain and Color Change	ASTM C510	Pass
Adhesion to Concrete	ASTM C794	35 pli
Adhesion to Concrete After Immersion	ASTM C794	30 pli
Adhesion to Green Concrete	ASTM C794	>25 pli
Adhesion to Damp Concrete	ASTM C794	>20 pli
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719	+/-50%
Movement Capability	ASTM C719* Modified	+100/-50%
Tensile Strength	ASTM D412	350 to 450 psi
% Elongation	ASTM D412	800 to 900%
Modulus at 100%	ASTM D412	75 to 85 psi
Tear Strength	ASTM D412	65 to 75 psi
Service Temperature		-40 to 180 °F (-40 to 82 °C)
Application Temperature		40 to 100 °F (4 to 37 °C) *
Smoke Development	ASTM E84	5
Fire Spread	ASTM E84	5
Fire Resistance of Assembly	NFPA 285	PASS
Smoke Development	CAN S102	10
Fire Spread	CAN S102	10
Crack Bridging	ASTM C1305	PASS
Nail Sealability	ASTM D1970 Section 7.9	PASS

*For temperatures below 40 °F, please refer to the Technical Bulletin, Cold Temperature Sealant Application Recommendations.

0321/D100DS-ST

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.



Tremco Commercial Sealants & Waterproofing

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulob
Boucherville QC J4B 7L8
514.521.9555

www.tremcosealants.com



DYMONIC[®] 100 STANDARD COLORS

PRODUCT DESCRIPTION

Dymonic 100 is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag polyurethane sealant.



This guide only offers a general representation of our color offering. Colors viewed on a computer screen and then printed will vary and will never be an exact representation of the actual pigment. When matching is critical, please refer to our color card or sample color strips.

We certify that Dymonic® 100 has been tested against ASTM C 920, Standard Specification for Elastomeric Joint Sealants and does conform to the specification requirements and is classified as follows:

Type: S	(Single Component)
Grade: NS	(Non-sag)
Class: 50	(+50% / - 50% joint movement)
Use: NT	(Non-traffic)
Use: T ₁	(Traffic)
M	(Mortar)
A	(Aluminum)
O	(Other)
I	(Immersion)

Additionally, we certify that Dymonic 100 has been tested in accordance to ASTM D 412, Test Method for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers – Tension, with the following results:

Ultimate Elongation: 850% - 1000%

We further certify that Dymonic 100 manufactured by Tremco Incorporated, Cleveland, Ohio conforms to the requirements of Federal Specification TT-S-00230C, Type II, Class A.

Dymonic meets CAN/CGSB 19.13, MCG-2-25-B-N.

Although Dymonic 100 is not NSF registered, or previously authorized by USDA, it does meet the requirements for use in Federally inspected food processing facilities provided it is not used in areas where food is being processed, prepared or packaged. The material must also be applied in a manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the sealant must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.



BUILDING ENVELOPE WARRANTY

Comprehensive Protection for Your Building Envelope

WARRANTY NUMBER: [Project Number]-[Warranty Number]

PROJECT NAME & ADDRESS:		CONSTRUCTION MANAGER:	
OWNER:		GENERAL CONTRACTOR:	
ARCHITECT/ ENGINEER:		AGGREGATE MATERIAL PURCHASE VALUE:	
ISSUER (THE "COMPANY"):	[List all manufacturers/ sellers of Products listed in the Exhibit. For example, Tremco Incorporated, Dryvit Systems, Inc., The Euclid Chemical Company, etc.]	DATE OF PROJECT SUBSTANTIAL COMPLETION:	

WHAT IS WARRANTED AND WHAT WILL THE COMPANY DO?

Subject to the terms, conditions, and limitations stated in this warranty, the products (the "Products") will be free from manufacturing defect at the time of purchase, will remain in a watertight condition and will perform as warranted in the manner specified for the stated term(s) measured from the Date of Project Substantial Completion, all as outlined on the attached Exhibit. The Exhibit is an integral part of this warranty.

THE COMPANY WILL SUPPLY LABOR AND MATERIALS TO REPAIR OR REPLACE ANY PRODUCTS THAT DO NOT PERFORM AS WARRANTED HEREUNDER.

The Company will determine in its sole discretion the appropriate scope and method of repair or replacement to remedy any condition covered by this warranty.

The total liability of the Company over the life of this warranty shall not in any event exceed the aggregate dollar value of the original cost of the Products specified in the attached Exhibit.

The term of this warranty may be extended for an additional 2 years with involvement on the project of a Company-approved, third-party consultant ("Consultant") engaged by the Owner or its authorized representative, at the Owner's sole expense. Inspection reports generated by the Consultant shall be made available to the Company and the Owner. All deficiencies identified by the Consultant in the inspection reports must be addressed and corrected in accordance with the project specifications, good waterproofing practices generally accepted in the industry, and the Company's published application instructions. Written confirmation that all deficiencies have been addressed and corrected must be provided by the Consultant and Applicator to the Company and the Owner. Actions taken to resolve all deficiencies identified shall be specifically noted in the written confirmation.

HOW DO I GET SERVICE?

The Owner must notify the Company within 30 calendar days from the date that the Owner discovered, or should have discovered, the existence of a claim under this warranty, and before beginning any permanent repair, by submitting a service request form at <https://warranties.tremcocpg.com> or by emailing the Warranty Administrator at warrantyadmin@tremcoinc.com. Emailed notice must include the warranty number and a written description of the location, scope, and nature of the alleged failure of the Products to perform as warranted. Photographs or video of the damaged area are often useful and should also be submitted if available.

The Owner must provide the Company with a reasonable opportunity to investigate the claim and the alleged failure of the Products to perform as warranted herein. The Owner shall have the sole responsibility, at the Owner's cost and expense, to provide the Company with free and full access to the installed Products during regular business hours for purposes of the investigation, including obtaining necessary approval and/or releases from building occupants who may be affected by the investigation and/or by any remedy the Company may provide under this warranty. The Company shall not be responsible for removal of any materials which may cover the Products, or any costs associated with removing or replacing any such materials.

GENERAL REQUIREMENTS:

There will not be any coverage under this warranty unless all the following apply:

- The Products were installed in strict compliance with the project specifications, good waterproofing practices generally accepted in the industry, the Company's published application instructions and technical literature, and any additional written requirements provided by the Company.
- The installation was performed by an Applicator who has received appropriate training prior to installing the Products.
- A pre-construction meeting was conducted with representatives of the Company, the Applicator, the Owner, and the Consultant (if applicable) prior to installation of the Products.
- The Products are used with compatible materials and substrates (in compliance with the Company's published application instructions/technical literature or as otherwise approved in writing by the Company).
- The Products are applied within their stated shelf life.
- The Products are used in applications approved by the Company as suitable.
- The Products are applied to a sound, properly prepared substrate in accordance with published application instructions.

LIMITATIONS AND EXCLUSIONS:

The Company shall not be responsible for, and this limited warranty does not cover, any loss resulting from any of the following:

- The use of other manufacturers' products unless such products are specifically recommended or approved by the Company in writing in advance of their installation, in connection with the use of the Products.
- Any repairs, replacements, penetrations, or alterations of the Products by any person or entity other than authorized representatives of the Company without prior written consent of the Company.
- Water passing through any portion of a structure or building component other than directly through the Products due to a failure in the Products and/or connections between the Products (so long as the connections are Company Products), or any interior moisture, vapor, or condensation.
- Construction, design, specification, storage, application, exposure, installation practices, use of the Products, or use of material, that is not in compliance with the Company's published literature.
- Unauthorized changes in the Products' details or specifications for the project that were not reviewed and approved in advance by the Company in writing.
- Failure to maintain the building and the Products with reasonable care.

- Mold, mildew, insects, pests, fungi, algae, bacteria, air quality, and similar conditions.
- Improper design, engineering, application installation or workmanship of any portion or component of the Products or the structure; or failure, distortion or structural movement of the walls, foundation, or any other portion or component of the structure, including, but not limited to, movement, cracking, deflection, settling of the building or movement of the framing members.
- Impact with objects, hurricanes, tropical storms, tornadoes, high winds, hailstorms, earthquakes, sandstorms, floods, natural disasters, fires, vandalism, war, terrorism, animals, other similar acts of God or nature, force majeure events, or significant or unintended immersion or pooling of water.
- Abuse, misuse, neglect, damage, or negligence by the Owner, the Applicator, the general contractor, or other trades performing work on the project, or any third party.
- Change in principal usage or amount of usage of structure without prior written approval of the Company.
- Intermixing of the Products with other chemicals or materials not specifically required by the Company's specifications or application instructions.

If, at the Owner's request, the Company performs any services or supplies any materials as a mitigation or remediation measure in connection with any unwarranted loss described above, the Company shall be entitled to compensation for such services or materials.

The Company makes no warranty with respect to appearance or color. No representative of the Company has the authority to make any representations, warranties, or promises except as stated herein.

No waiver by the Company of any limitation, term or condition of this warranty shall operate as a waiver of any other limitation, term or condition applicable to any claim, whether of like or different nature. No delay or failure on the Company's part to enforce any right or claim, which it may have hereunder, shall constitute a waiver of such right or claim.

If any part of this warranty shall be determined to be invalid, then such portion shall be deemed severed from the warranty and the remaining terms, exclusions and limitations shall apply.

The Company's obligations under this warranty are expressly conditioned upon receipt of full payment for the Products. Any delay in full payment to the Company shall not extend the warranty term.

This warranty is issued to the above-named Owner and is not assignable or transferable, except upon the express written consent of the Company.

THE COMPANY UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE PRODUCTS EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY.

THE COMPANY ASSUMES NO RESPONSIBILITY THAT THE PRODUCTS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH THE PRODUCTS MAY BE PURCHASED, EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

THE COMPANY MAKES NO OTHER OR FURTHER WARRANTIES IN CONNECTION WITH THE PRODUCTS EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY DOCUMENT.

THE COMPANY WILL NOT BE RESPONSIBLE UNDER THIS LIMITED WARRANTY FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT (INCLUDING INTENTIONAL, NEGLIGENCE OR OTHERWISE), FOR BREACH OF WARRANTY OR UNDER ANY OTHER THEORY OF LIABILITY, WHETHER OR NOT ARISING FROM OR RELATING TO, DIRECTLY OR INDIRECTLY, THIS WARRANTY, OR THE PERFORMANCE OF, DEFECTS IN, OR IN ANY WAY CONNECTED WITH, THE PRODUCTS COVERED BY THIS WARRANTY. THE COMPANY WILL HAVE NO LIABILITY FOR, AND EXPRESSLY DISCLAIMS LIABILITY FOR, ANY OTHER DAMAGE TO THE BUILDING OR THE CONTENTS OF THE BUILDING AND FOR ANY OTHER CLAIMED DAMAGES, LOSSES, COSTS AND EXPENSES OTHER THAN AS EXPRESSLY SET FORTH IN THIS WARRANTY.

THIS REMEDY EXPRESSLY SET OUT IN THIS WARRANTY WILL BE THE EXCLUSIVE REMEDY FOR ALL PERSONS ENTITLED TO WARRANTY COVERAGE AS DESCRIBED ABOVE. NO OTHER REMEDY SHALL BE APPLICABLE.

SOME JURISDICTIONS LIMIT OR DO NOT ALLOW THE DISCLAIMER OF CERTAIN REMEDIES OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE EXCLUSIONS AND LIMITATIONS OF REMEDIES AND DAMAGES IN THIS SECTION FULLY APPLY TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW.

The terms of this warranty may not be altered, modified, or supplemented except in a writing signed by an officer of the Company that expressly refers to this warranty document and number.

In the event the Owner: (i) fails to provide the Company with timely notice as described above, (ii) fails to provide required access to the installed Products, (iii) undertakes or permits any actions that cause or contribute to failures, such as unauthorized repairs or perforations of the Products, or (iv) otherwise fails to fulfill its responsibilities as described herein, the Company reserves the right to void this warranty upon written notice to the Owner.

To expedite processing, this document may be completed and delivered in electronic form only. This limited warranty applies only to Products installed in the United States and Canada. Under the Quebec Consumer Protection Act, the Company must provide a warranty to consumers, as defined in the Act, that the Company's products shall be fit for the purpose for which such products of that kind are ordinarily used and that the Products must be durable in normal use for a reasonable length of time, having regard to their price and other factors. For more information about your rights if you are a consumer as defined in the Act, you should consult the Quebec Consumer Protection Act at <https://www.educaloi.qc.ca/en/capsules/legal-warranty-automatic-protection-consumers>.

Since the Products are building materials and are not intended to be sold to a "consumer" except as part of real estate or as a major addition thereto, this warranty shall not apply to any party constituting a "consumer" as such term is defined by the Magnuson-Moss Warranty Act.

REQUEST FOR WARRANTY ISSUANCE MUST BE MADE PROMPTLY FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION. THE COMPANY RESERVES THE RIGHT, IN ITS SOLE DISCRETION, TO REFUSE A REQUEST FOR ISSUANCE IF SUCH REQUEST IS NOT MADE WITHIN A REASONABLE TIME FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION.

EXHIBIT

Subject to the terms, conditions, and limitations stated in this warranty, the Company warrants to the Owner:

Warranty No.: [Project Number]-[Warranty Number]

Joinery and Sealants

That the Product(s) will have a useful life under normal service conditions for the period stated in the table below from the Date of Project Substantial Completion.

When the Product(s) are used as a component of a Tremco CPG building envelope system: Adhesion to and compatibility with Products in other sections in this Exhibit are warranted for the period stated in the table below from the Date of Project Substantial Completion when using Company joint seal Product(s), transition Product(s) and/or detailing sealant Product(s) (all of the foregoing collectively referred to as, "Joinery") as prescribed by the Company to connect Tremco CPG building envelope systems. The Company also warrants that the Joinery will make watertight all transitions, terminations, and penetrations connecting Tremco CPG building envelope systems for the period stated in the table below from the Date of Project Substantial Completion.

Warranty Issued

Applicator:		Installation Completion Date:	
Consultant (if applicable):		Warranty Term:	
Product(s):		Linear/Square Footage:	
Product(s):		Linear/Square Footage:	

Spectrem Simple Seal

Table of Contents

Spectrem Simple Seal Data Sheet - EN	1
Spectrem Simple Seal Application Instructions - EN	4
Spectrem Simple Seal Certification Letter - EN	5
Joinery & Sealants Warranty - EN	6

Product Description

Spectrem® Simple Seal is an ultra-low modulus, preformed silicone extrusion specifically designed to have high elongation properties. Simple Seal is typically bonded with Spectrem 1 or Spectrem 2* Silicone Sealant to a wide range of substrates to provide a watertight seal.

Benefits of Spectrem® Simple Seal include:

- Cost effective alternative to cutting out existing failed sealant
- High flexibility and movement capability
- High tear resistance
- Ease of installation
- Color fast formulation
- Wide operational temperature range
- Non-corrosive and corrosion resistant
- Resistant to UV exposure and weathering
- Capable of sealing high movement joints
- Well suited for soft and sensitive substrates such as EIFS

Basic Uses

Tremco Spectrem Simple Seal is designed for both new construction and restoration work involving window perimeter, EIFS joints, parapet walls, skylights, aluminum window seals, transition seals, curtain wall joints, sheet metal roof joints, and other lap joints.

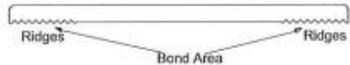
Packaging

Widths 9" (229 mm) and smaller are available in 100' (30.5 M) rolls.

Widths 10" (254 mm) and larger are available in 50' (15.2 M) rolls.

Standard Sizes

1", 1.5", 2" and 3", 4", and 6" (25, 38, 51, 76, 102 and 152 mm) widths. 12" available in Anodized Aluminum only. Standard thickness is 0.078" (2 mm).



Special Sizes

Other sizes available include 2-1/2" (64 mm), 5" (127 mm) and 7" (178 mm) to 14" (355 mm) in 1" (25 mm) increments.

Custom Sizes

Custom sizes and/or geometries are available upon request. Please contact your sales representative or Tremco Technical Services for assistance. Lead times and costs will vary based on the request.

Standard Colors

Aluminum Stone, Anodized Aluminum, Black, Bronze, Limestone, Sandstone, and White.

Special Colors

Buff, Champagne, Dark Bronze, Dusty Rose, Gray, Ivory, Light Bronze, Off White, Precast White, and Rustic Brick.

Custom Colors

Custom color matching is available. Please contact your sales representative or Customer Service representative for assistance. Lead times and costs will vary based on the request.

SWRI SEALANT-WATERPROOFING & RESTORATION INSTITUTE

Issued to: Tremco Incorporated
Product: Spectrem® Simple Seal

ASTM C 1523-10: Determining Modulus, Tear and Adhesion Properties of Pre-cured Elastomeric Joint Sealants

Movement, Cohesion & Adhesion: 200%

Dry/Room Temperature Loss of Adhesion/Cohesion Pass ✓

Water Immersion Loss of Adhesion/Cohesion Pass ✓

Frozen Loss of Adhesion/Cohesion Pass ✓

Heat Loss of Adhesion/Cohesion Pass ✓

Artificial Weathering Loss of Adhesion/Cohesion Pass ✓

Tear Propagation: PT/Knotty

ASTM D 412: Vulcanized Rubber and Thermoplastic Elastomers - Tension

Ultimate Elongation Results: 554%

Validation Date: 11/17/16 – 11/16/21
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PRE-CURED SEALANTS VALIDATION
www.swrionline.org

Limitations

Do not apply on damp or contaminated surfaces.

Do not use clear silicone sealant for the application of Spectrem Simple Seal.

Spectrem Simple Seal should not be used under the following conditions:

- Below grade or below water line applications
- Joints where physical abrasion and abuse may occur, such as traffic joints
- In association with building materials that release oils, plasticizers or other material

Surface Preparation

Surface must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco recommends that air temperatures be 40 °F (5 °C) or above before applying any sealant. If colder weather is imminent, please refer to the Tremco Guide for Cold Weather Applications at www.tremcosealants.com.

Masking

Apply masking tape to the substrate surface at the width edges of the Spectrem Simple Seal to provide a clean edge.

Application

Select the width of Spectrem Simple Seal wide enough so that the ridges are fully encapsulated by the sealant when installed over the joint. Apply Spectrem 1 or Spectrem 2* to each side of the joint with beads large enough to encapsulate the width of the ridges. Immediately embed the Spectrem Simple Seal into the wet sealant. Using a roller, apply consistent pressure to ensure uniform contact. Remove masking tape and any excess sealant.

Spectrem® Simple Seal
Extruded Silicone Bridge

Detailed application instructions are available from Tremco Technical Services or www.tremcosealants.com.

Availability

Availability and cost may be obtained from your local Tremco Field Representative, or by contacting our Customer Service Department in Beachwood, Ohio at 800-321-7906, or Toronto at 800-363-3213.

Maintenance

Damaged Spectrem Simple Seal can be repaired. Contact your local Tremco Sales Representative or Tremco Technical Services for repair procedures.

Warranty

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site

conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase price of the quantity of Tremco Products proven to be defective and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

TYPICAL PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Shore A hardness	ASTM D2240	29 to 32
Tensile strength	ASTM D412	218 psi
Elongation at break	ASTM D412	554%

TESTED IN ACCORDANCE WITH ASTM C1518		
Specification for Procured Elastomeric Silicone Joint Sealants		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Tear propagation	ASTM C1523 9.4	Class PT (partial tear)
Movement Class	ASTM C1523 9.1	Class 200%
Heated conditions resistance	ASTM C1523 8.2.4	Pass (Class 200%)
UV resistance	ASTM C1523 8.2.5.1	Pass (Class 200%)
Frozen conditions resistance	ASTM C1518 8.2.3	Pass (Class 200%)

- Spectrem 1 is the recommended silicone sealant to be used; Spectrem 2 may be suitable for use, adhesion to the existing substrate must be confirmed. Contact Technical Services for a recommendation on the specific Spectrem Silicone Sealant to use for your application.

Spectrem® Simple Seal
Extruded Silicone Bridge

Standard Stock Sizes: 1", 1.5", 2", 3", 4", 6" Wide (25, 38, 51, 76, 102 and 152 mm) 12" Available in Anodized Aluminum only. (Highlighted below)

Standard Stock Colors: Anodized Aluminum, Aluminum Stone, Black, Bronze, Limestone, Sandstone, and White, (Highlighted below)

WIDTH IN INCHES (MILLIMETERS)	STOCK SIZE	STOCK COLOR (Black, White, Anodized Aluminum, Bronze, Aluminum Stone)	LEAD TIME	MINIMUM ORDER QTY. IN FEET (METERS)	SELLING UNIT OF MEASURE	FEET (METERS)/ CASE	SPECIAL COLORS
1 (25)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Buff
1.5 (38)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Champagne
2 (51)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Dark Bronze
2.5 (64)	NO	NO	3 WEEKS	500 (152.4)	1 ROLL	100 (30.5)	Dusty Rose
3 (76)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Gray
4 (102)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Ivory
5 (127)	NO	NO	3 WEEKS	500 (152.4)	1 ROLL	100 (30.5)	Light Bronze
6 (152)	YES	YES	4 DAYS	100 (30.5)	1 ROLL	100 (30.5)	Off White
7 (178)	NO	NO	3 WEEKS	500 (152.4)	1 ROLL	100 (30.5)	Precast White
8 (203)	NO	NO	3 WEEKS	500 (152.4)	1 ROLL	100 (30.5)	Rustic Brick
9 (229)	NO	NO	3 WEEKS	500 (152.4)	1 ROLL	100 (30.5)	
10 (254)	NO	NO	3 WEEKS	250 (76.2)	1 ROLL	50 (15.2)	
11 (279)	NO	NO	3 WEEKS	250 (76.2)	1 ROLL	50 (15.2)	
12 (305)	NO	NO*	3 WEEKS	250 (76.2)	1 ROLL	50 (15.2)	
13 (330)	NO	NO	3 WEEKS	250 (76.2)	1 ROLL	50 (15.2)	
14 (356)	NO	NO	3 WEEKS	250 (76.2)	1 ROLL	50 (15.2)	

* 12" available in Anodized Aluminum with 3-day lead time.



0818/SPECSSDS-GL

Tremco Commercial Sealants & Waterproofing

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555

APPLICATION INSTRUCTIONS

1. Purpose and Scope

The purpose of this document is to establish guidelines for installation of Spectrem® Simple Seal. The techniques involved may require modifications to adjust for jobsite conditions. Consult your local Tremco Sales Representative or Tremco Technical Services for specific design requirements.

This document will provide the necessary instructions for installation of Simple Seal to qualify for a manufacturer's warranty.

2. Important Notes

Always perform project-specific field testing to verify adhesion of the sealant to the substrates. Consult the application instructions provided in the Spectrem 1 data sheet to determine proper sealant application procedures.

When applying Simple Seal on a vertical surface, apply Simple Seal in horizontal joints prior to applying in vertical joints. At intersections between vertical and horizontal joints, the vertical bridge joint will be applied in an overlapping fashion over top of the horizontal bridge joint.

In an effort not to puncture the membrane, ensure additional sealant is applied over mechanical fasteners or other protrusions are located on the substrate along the sealant bond line. Do not puncture the membrane.

3. Substrate Preparation

Surfaces must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco recommends that air temperature be 40 °F (5 °C) or above before applying any sealant. If colder weather is imminent, please refer to the Tremco Guide for Cold Weather Applications at www.tremcosealants.com

If desired, apply masking tape along the edges of where the Simple Seal is expected to be installed as depicted in Figure 1. This will assist in reducing the visible sealant that will wet out during the application process.

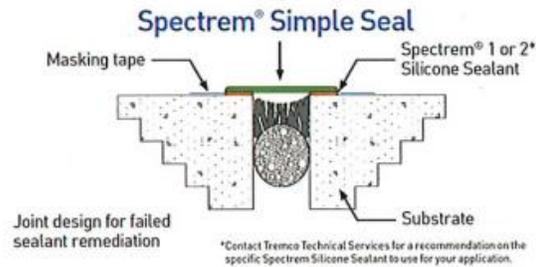


Figure 1

4. Compatible Materials

Spectrem 1 is the recommended silicone sealant to be used as the adhesive; Spectrem 2 may be suitable for use in some circumstances, adhesion to the

existing substrate must be confirmed before applying Spectrem 1 or Spectrem 2 silicone sealant.

5. Materials Needed

- A wire brush
- A sharp razor blade
- Masking tape
- Cleaning solvent (non-porous substrates only)
- Clean, dry, lint-free cloths
- Pressurized water system (optional)
- A compressed air line capable of dispensing pressurized air (optional)
- A roller at least as wide as the Simple Seal extrusion being applied (optional)

6. Sealant and Simple Seal Application

Apply a continuous bead of sealant in a straight line along the edge of the bonding substrate. The sealant should be sufficiently wide enough that when the Simple Seal is applied, the ridges on the material are completely encapsulated in sealant.

Unroll a length of Simple Seal approximately the length of the joint to be spanned. Install the Simple Seal material with caution to avoid stretching the extrusion as it is embedded into the sealant.

As Spectrem Simple Seal is unrolled, ensure that a clean surface exists at the bonding area. If necessary, utilize the two-cloth cleaning method with isopropyl alcohol to clean the bonding surface of Spectrem Simple Seal.

Align the Simple Seal over the joint so the ribbed portions align with the sealant beads and the Simple Seal is uniformly spaced over the joint.

Embed the Simple Seal in the beads of Spectrem 1 or Spectrem 2 and immediately use a roller to press the extrusion firmly into the silicone sealant. If a roller is unavailable or undesirable, a flat, hard material may be substituted and used to gently tap the face of the material, embedding the bonding surface into the sealant.

Cut the Simple Seal extrusion at the end of the joint using a sharp razor blade, and remove masking tape to eliminate the excess sealant wetted out along the bond line.

Sealant that has wetted out from beneath the extrusion may also be tooled to achieve the desired appearance.

7. Cleaning

Immediately after the application is complete, remove all excess sealant and smears adjacent to the joint with an approved solvent.

Avoid contact between the cleaning solvent and the functional sealant bead prior to the sealant bead reaching a full cure. Cleaning solvent should come into contact with smears and excess sealant only.

0417/SPECSSAI-GL



Tremco Commercial Sealants & Waterproofing

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CERTIFICATION LETTER

Tremco, Inc. certifies that Spectrem Simple Seal has been tested to the standard ASTM D2240, D412, and C1518 (C1523).

ASTM 2240 *Standard Test Method for Rubber Property—Durometer Hardness*: Spectrem Simple Seal has a shore A hardness that falls in the range of 29-32.

ASTM C1518 (C1523) *Standard Specification for Precured Elastomeric Silicone Joint Sealants: (results pertaining to systems using Spectrem 1, Spectrem 2, and Immerbond as the sealant/adhesive)*

Movement, cohesion, adhesion	200%
Dry/room temperature loss of adhesion/cohesion	Pass
Water immersion loss of adhesion/cohesion	Pass
Heated loss of adhesion/cohesion	Pass
Frozen loss of adhesion/cohesion	Pass
Artificial weathering loss of adhesion/cohesion	Pass
Tear propagation	Partial tear

ASTM D412

Ultimate elongation	500%+
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BUILDING ENVELOPE WARRANTY

Comprehensive Protection for Your Building Envelope

WARRANTY NUMBER: [Project Number]-[Warranty Number]

PROJECT NAME & ADDRESS:		CONSTRUCTION MANAGER:	
OWNER:		GENERAL CONTRACTOR:	
ARCHITECT/ ENGINEER:		AGGREGATE MATERIAL PURCHASE VALUE:	
ISSUER (THE "COMPANY"):		DATE OF PROJECT SUBSTANTIAL COMPLETION:	

WHAT IS WARRANTED AND WHAT WILL THE COMPANY DO?

Subject to the terms, conditions, and limitations stated in this warranty, the products (the "Products") will be free from manufacturing defect at the time of purchase, will remain in a watertight condition and will perform as warranted in the manner specified for the stated term(s) measured from the Date of Project Substantial Completion, all as outlined on the attached Exhibit. The Exhibit is an integral part of this warranty.

THE COMPANY WILL SUPPLY LABOR AND MATERIALS TO REPAIR OR REPLACE ANY PRODUCTS THAT DO NOT PERFORM AS WARRANTED HEREUNDER.

The Company will determine in its sole discretion the appropriate scope and method of repair or replacement to remedy any condition covered by this warranty.

The total liability of the Company over the life of this warranty shall not in any event exceed the aggregate dollar value of the original cost of the Products specified in the attached Exhibit.

The term of this warranty may be extended for an additional 2 years with involvement on the project of a Company-approved, third-party consultant ("Consultant") engaged by the Owner or its authorized representative, at the Owner's sole expense. Inspection reports generated by the Consultant shall be made available to the Company and the Owner. All deficiencies identified by the Consultant in the inspection reports must be addressed and corrected in accordance with the project specifications, good waterproofing practices generally accepted in the industry, and the Company's published application instructions. Written confirmation that all deficiencies have been addressed and corrected must be provided by the Consultant and Applicator to the Company and the Owner. Actions taken to resolve all deficiencies identified shall be specifically noted in the written confirmation.

HOW DO I GET SERVICE?

The Owner must notify the Company within 30 calendar days from the date that the Owner discovered, or should have discovered, the existence of a claim under this warranty, and before beginning any permanent repair, by submitting a service request form at <https://warranties.tremcocpg.com> or by emailing the Warranty Administrator at warrantyadmin@tremcoinc.com. Emailed notice must include the warranty number and a written description of the location, scope, and nature of the alleged failure of the Products to perform as warranted. Photographs or video of the damaged area are often useful and should also be submitted if available.

The Owner must provide the Company with a reasonable opportunity to investigate the claim and the alleged failure of the Products to perform as warranted herein. The Owner shall have the sole responsibility, at the Owner's cost and expense, to provide the Company with free and full access to the installed Products during regular business hours for purposes of the investigation, including obtaining necessary approval and/or releases from building occupants who may be affected by the investigation and/or by any remedy the Company may provide under this warranty. The Company shall not be responsible for removal of any materials which may cover the Products, or any costs associated with removing or replacing any such materials.

GENERAL REQUIREMENTS:

There will not be any coverage under this warranty unless all the following apply:

- The Products were installed in strict compliance with the project specifications, good waterproofing practices generally accepted in the industry, the Company's published application instructions and technical literature, and any additional written requirements provided by the Company.
- The installation was performed by an Applicator who has received appropriate training prior to installing the Products.
- A pre-construction meeting was conducted with representatives of the Company, the Applicator, the Owner, and the Consultant (if applicable) prior to installation of the Products.
- The Products are used with compatible materials and substrates (in compliance with the Company's published application instructions/technical literature or as otherwise approved in writing by the Company).
- The Products are applied within their stated shelf life.
- The Products are used in applications approved by the Company as suitable.
- The Products are applied to a sound, properly prepared substrate in accordance with published application instructions.

LIMITATIONS AND EXCLUSIONS:

The Company shall not be responsible for, and this limited warranty does not cover, any loss resulting from any of the following:

- The use of other manufacturers' products unless such products are specifically recommended or approved by the Company in writing in advance of their installation, in connection with the use of the Products.
- Any repairs, replacements, penetrations, or alterations of the Products by any person or entity other than authorized representatives of the Company without prior written consent of the Company.
- Water passing through any portion of a structure or building component other than directly through the Products due to a failure in the Products and/or connections between the Products (so long as the connections are Company Products), or any interior moisture, vapor, or condensation.
- Construction, design, specification, storage, application, exposure, installation practices, use of the Products, or use of material, that is not in compliance with the Company's published literature.
- Unauthorized changes in the Products' details or specifications for the project that were not reviewed and approved in advance by the Company in writing.
- Failure to maintain the building and the Products with reasonable care.
- Mold, mildew, insects, pests, fungi, algae, bacteria, air quality, and similar conditions.

- Improper design, engineering, application installation or workmanship of any portion or component of the Products or the structure; or failure, distortion or structural movement of the walls, foundation, or any other portion or component of the structure, including, but not limited to, movement, cracking, deflection, settling of the building or movement of the framing members.
- Impact with objects, hurricanes, tropical storms, tornadoes, high winds, hailstorms, earthquakes, sandstorms, floods, natural disasters, fires, vandalism, war, terrorism, animals, other similar acts of God or nature, force majeure events, or significant or unintended immersion or pooling of water.
- Abuse, misuse, neglect, damage, or negligence by the Owner, the Applicator, the general contractor, or other trades performing work on the project, or any third party.
- Change in principal usage or amount of usage of structure without prior written approval of the Company.
- Intermixing of the Products with other chemicals or materials not specifically required by the Company's specifications or application instructions.

If, at the Owner's request, the Company performs any services or supplies any materials as a mitigation or remediation measure in connection with any unwarranted loss described above, the Company shall be entitled to compensation for such services or materials.

The Company makes no warranty with respect to appearance or color. No representative of the Company has the authority to make any representations, warranties, or promises except as stated herein.

No waiver by the Company of any limitation, term or condition of this warranty shall operate as a waiver of any other limitation, term or condition applicable to any claim, whether of like or different nature. No delay or failure on the Company's part to enforce any right or claim, which it may have hereunder, shall constitute a waiver of such right or claim.

If any part of this warranty shall be determined to be invalid, then such portion shall be deemed severed from the warranty and the remaining terms, exclusions and limitations shall apply.

The Company's obligations under this warranty are expressly conditioned upon receipt of full payment for the Products. Any delay in full payment to the Company shall not extend the warranty term.

This warranty is issued to the above-named Owner and is not assignable or transferable, except upon the express written consent of the Company.

THE COMPANY UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE PRODUCTS EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY.

THE COMPANY ASSUMES NO RESPONSIBILITY THAT THE PRODUCTS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH THE PRODUCTS MAY BE PURCHASED, EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

THE COMPANY MAKES NO OTHER OR FURTHER WARRANTIES IN CONNECTION WITH THE PRODUCTS EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY DOCUMENT.

THE COMPANY WILL NOT BE RESPONSIBLE UNDER THIS LIMITED WARRANTY FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT (INCLUDING INTENTIONAL, NEGLIGENCE OR OTHERWISE), FOR BREACH OF WARRANTY OR UNDER ANY OTHER THEORY OF LIABILITY, WHETHER OR NOT ARISING FROM OR RELATING TO, DIRECTLY OR INDIRECTLY, THIS WARRANTY, OR THE PERFORMANCE OF, DEFECTS IN, OR IN ANY WAY CONNECTED WITH, THE PRODUCTS COVERED BY THIS WARRANTY. THE COMPANY WILL HAVE NO LIABILITY FOR, AND EXPRESSLY DISCLAIMS LIABILITY FOR, ANY OTHER DAMAGE TO THE BUILDING OR THE CONTENTS OF THE BUILDING AND FOR ANY OTHER CLAIMED DAMAGES, LOSSES, COSTS AND EXPENSES OTHER THAN AS EXPRESSLY SET FORTH IN THIS WARRANTY.

THIS REMEDY EXPRESSLY SET OUT IN THIS WARRANTY WILL BE THE EXCLUSIVE REMEDY FOR ALL PERSONS ENTITLED TO WARRANTY COVERAGE AS DESCRIBED ABOVE. NO OTHER REMEDY SHALL BE APPLICABLE.

SOME JURISDICTIONS LIMIT OR DO NOT ALLOW THE DISCLAIMER OF CERTAIN REMEDIES OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE EXCLUSIONS AND LIMITATIONS OF REMEDIES AND DAMAGES IN THIS SECTION FULLY APPLY TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW.

The terms of this warranty may not be altered, modified, or supplemented except in a writing signed by an officer of the Company that expressly refers to this warranty document and number.

In the event the Owner: (i) fails to provide the Company with timely notice as described above, (ii) fails to provide required access to the installed Products, (iii) undertakes or permits any actions that cause or contribute to failures, such as unauthorized repairs or perforations of the Products, or (iv) otherwise fails to fulfill its responsibilities as described herein, the Company reserves the right to void this warranty upon written notice to the Owner.

To expedite processing, this document may be completed and delivered in electronic form only. This limited warranty applies only to Products installed in the United States and Canada. Under the Quebec Consumer Protection Act, the Company must provide a warranty to consumers, as defined in the Act, that the Company's products shall be fit for the purpose for which such products of that kind are ordinarily used and that the Products must be durable in normal use for a reasonable length of time, having regard to their price and other factors. For more information about your rights if you are a consumer as defined in the Act, you should consult the Quebec Consumer Protection Act at <https://www.educaloi.qc.ca/en/capsules/legal-warranty-automatic-protection-consumers>.

Since the Products are building materials and are not intended to be sold to a "consumer" except as part of real estate or as a major addition thereto, this warranty shall not apply to any party constituting a "consumer" as such term is defined by the Magnuson-Moss Warranty Act.

REQUEST FOR WARRANTY ISSUANCE MUST BE MADE PROMPTLY FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION. THE COMPANY RESERVES THE RIGHT, IN ITS SOLE DISCRETION, TO REFUSE A REQUEST FOR ISSUANCE IF SUCH REQUEST IS NOT MADE WITHIN A REASONABLE TIME FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION.

EXHIBIT

Subject to the terms, conditions, and limitations stated in this warranty, the Company warrants to the Owner:

Warranty No.: [Project Number]-[Warranty Number]

Joinery and Sealants

That the Product(s) will have a useful life under normal service conditions for the period stated in the table below from the Date of Project Substantial Completion.

When the Product(s) are used as a component of a Tremco CPG building envelope system: Adhesion to and compatibility with Products in other sections in this Exhibit are warranted for the period stated in the table below from the Date of Project Substantial Completion when using Company joint seal Product(s), transition Product(s) and/or detailing sealant Product(s) (all of the foregoing collectively referred to as, "Joinery") as prescribed by the Company to connect Tremco CPG building envelope systems. The Company also warrants that the Joinery will make watertight all transitions, terminations, and penetrations connecting Tremco CPG building envelope systems for the period stated in the table below from the Date of Project Substantial Completion.

Silicone Watertight Coverage Requirements:

For Spectrem 1, Spectrem 2, Spectrem 3, Spectrem 4-TS, Proglaze II and Proglaze SSG: The Company warrants that these specific Product(s) will perform as a watertight weatherseal for the period stated in the table below from the Date of Project Substantial Completion if the following conditions have been met:

1. The sealant is used with materials approved by Tremco for compatibility and adhesion; and
2. Field adhesion tests are made, documented, and retained as outlined in Tremco's Field Adhesion Test Procedure in order to confirm adhesion under site conditions.

Any warranty of structural adhesion requires prior print review and testing. Please consult your Tremco Sales Representative for more information.

Non-Staining Silicone Coverage Requirements:

For Spectrem 3 and Spectrem 4-TS Silicone Sealants: The Company warrants that these specific Product(s) will not cause the porous substrates to discolor or change their appearance due to fluid migration for the period stated in the table below from the Date of Project Substantial Completion if the following conditions have been met:

1. The sealant is used with materials approved by Tremco for compatibility and adhesion;
2. Representative substrate samples were submitted to Tremco for compatibility and adhesion testing;
3. The application of the sealant and the joint configurations are completed in accordance with the project prints/specification submitted to Tremco; and
4. Field adhesion tests were made, documented, and retained as outlined in Tremco's Field Adhesion Test Procedure in order to confirm adhesion under site conditions.

Exclusions:

The Silicone Watertight and Non-Staining Silicone warranties do not cover damage to, or failure of, the sealant due to disintegration or contamination of the underlying substrates, mechanical damage (caused by individuals, tools, or other outside agents), or changes in the appearance of the sealant from the accumulation of dirt or other contaminants deposited on the sealant from the atmosphere.

Warranty Issued

Applicator:		Installation Completion Date:	
Consultant (if applicable):		Warranty Term:	
Product:		Linear/Square Footage:	
Product:		Linear/Square Footage:	

SAMPLE

Spectrem 2

Table of Contents

Spectrem 2 Data Sheet - EN	1
Spectrem 2 Color Chart - EN	4
Spectrem 2 Certification Letter - EN	5
Joinery & Sealants Warranty - EN	7

Spectrem® 2

Single-Component, Neutral-Cure Silicone Sealant for 2-Sided Structural Glazing

Product Description

Spectrem® 2 is a high-performance, single-component, neutral-cure, medium-modulus silicone sealant.

Basic Uses

Spectrem 2 is ideal for a variety of perimeter caulking and glazing applications, including 2-sided structural glazing. Spectrem 2 may be used on substrates such as aluminum, glass, steel, painted metal, plastic, stone, concrete and brick.

Features and Benefits

- With medium modulus, can be used as a structural tensile bead and weather sealant.
- Offering excellent adhesion to a variety of substrates including glass and metal, a single product can be used for a variety of applications on the same job from 2-sided structural glazing to perimeter caulking and joint filling.
- Resistance to driving rain, ozone, ultraviolet light, and temperature extremes safeguards against water penetration with exceptional weatherability in all climate zones.
- Wide variety of colors to choose from with custom colors and color matching also available for a particular project.
- No mixing required, so product is always ready to use for immediate application with conventional caulking equipment.
- Greenguard Gold certification ensures safety for use in the most sensitive indoor environments including hospitals and schools.

Availability

Immediately available from your local Tremco Sales Representative, Tremco distributor or warehouse.

Packaging

10.1-oz (300-mL) cartridges

20-oz (600-mL) sausages

2-gal (7.6-L) and 4.5-gal (17-L) pails

55-gal (208.2-L) drums

All colors are not available in all package sizes. Contact Tremco Customer Service for more information.

Colors

Aluminum Stone, Anodized Aluminum, Black, Bronze, Gray, Limestone, Off White, Precast White, White, Clear and Light Bronze

Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.
- Not intended for continuous water immersion.
- Only black silicones are recommended for structural glazing applications.

Substrate Preparation

Surfaces must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco recommends that air temperatures be 40 °F (5 °C) or above before applying any sealant. If colder weather is imminent, please refer to the Tremco Guide for Cold Weather Applications at www.tremcosealants.com.



Applicable Standards

Spectrem 2 meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 50, Use NT, M, G, A and O
- ASTM C1248 Standard Test Method for Staining of Porous Substrate by Joint Sealants
- ASTM C1184 Standard Specifications for Structural Silicone Sealants
- U.S. Federal Specification TT-S-001543A (COM-NBS) Class A
- CAN/CGSB 19.13-M87
- U.S. Federal Specification TT-S-00230C (COM-NBS) Class A, Type II
- Black meets all of AAMA 802.3-92 (Type I and II), 805.2-94 (Group C), and 808.3-92
- Conforms to ASTM C1184 Use G and O (Aluminum)

Application

Spectrem 2 is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75 °F (23.9 °C), 50% RH, a durable skin will form typically within fewer than 10 minutes. Please visit www.tremcosealants.com for complete application instructions.

Joint Design

May be used in any joint designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than 1/4" (6 mm) wide.

Joint Backing

Approved structural glazing tapes, such as SGT 900 Series Tape, compatible silicone, or SCR spacer gaskets are approved to promote properly dimensioned tensile beads when used in 2-sided structural glazing applications.

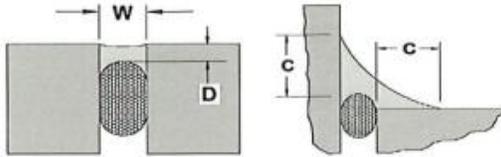
When Spectrem 2 sealant is used in non-structural glazing applications, closed-cell polyethylene backer rod is preferred as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive-backed polyethylene tape should be installed to prevent three-sided adhesion. Joint backing must be dry at time of sealant application.

Spectrem® 2

Single-Component, Neutral-Cure Silicone Sealant for 2-Sided Structural Glazing

Sealant Dimensions

W = Sealant width, D = Sealant depth, C = Contact area.



Expansion joints: The minimum joint width (W) and sealant contact depth (C) of any silicone sealant application is 1/4" by 1/4" (6.35 mm by 6.35 mm). It is recommended that the sealant joint depth (D), when measured from the face of the sealant bead to the crown of the backer rod, be equal to one-half the sealant joint width (W), known as 2:1 width-to-depth joint ratio. For silicone sealants, the minimum sealant joint depth (D) at crown of backer rod is 1/8" (3 mm) and the maximum sealant joint depth at crown of backer rod is 1/2" (13 mm). For joints that are wider than 1" (25 mm), contact Tremco's technical services or the Tremco sales representative nearest to the application site for additional support.

Window perimeter joints: For fillet beads, or angle beads around windows and doors, the sealant should exhibit a minimum sealant contact depth [C] of 1/4" (6.34 mm) onto each substrate. Proper joint backing or bond breaking must be implemented to allow the sealant to perform when exposed to joint movement.

STRUCTURAL GLAZING: Special consideration must be taken when using Spectrem 2 in structural glazing applications; therefore, the above sealant dimension guidelines do not apply in these applications. Consult Tremco Technical Services for structural glazing reviews and recommendations.

Clean Up

Tooling is recommended immediately after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as IPA, Xylene, Toluene or MEK while sealant is in an uncured state.

Warranty

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase price of the quantity of Tremco Products proven to be defective and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements

Spectrem® 2

Single-Component, Neutral-Cure Silicone Sealant for 2-Sided Structural Glazing

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
As Supplied:		
Flow, sag or slump inches	ASTM C639	Nil
Sag	ASTM D2202	0" to 0.03" (0 mm to 0.1 mm)
Tack free time	ASTM C679	20 to 40 min
Tooling Time	Skin Formation	10 to 15 min
As Cured: After 14 days at 77 °F (25 °C), 50%RH		
Cyclic Movement	ASTM C719	±50%
Elongation	ASTM D412	235 to 260%
Hardness (shore A)	ASTM C661	37 to 40
Peel Strength Aluminum and Glass	ASTM C794	16 to 22 pli (2.81 to 3.86 kN/M)
Staining of Porous Substrates White Marble Primed & Unprimed	ASTM C1248	No Stain
Tear strength, die ("C")	ASTM D624	35 to 40 pli (6.14 to 7.02 kN/M)
Tensile Strength at 100% Elongation	ASTM C1135	90 to 100 psi (0.62 to 0.69 MPa)
Tensile Strength at Max Elongation	ASTM D412	220 to 230 psi (1.52 to 1.59 MPa)
As Cured: After 21 days at 77 °F (25 °C), 50%RH		
Ultimate Elongation	ASTM C1135	261%
Ultimate Tensile Strength	ASTM C1135	123 psi (0.85 MPa)

0319/SPEC2DS-STPlease refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.**Tremco Commercial Sealants & Waterproofing**

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555



SPECTREM® COLOR CARD

High-Performance Single-Component Silicone Sealants

Spectrem® silicone sealants offer high performance and exceptional weatherability in a variety of the most demanding dynamically moving joints and perimeter caulking applications.

Many Willseal® solutions are available finished in any standard Spectrem® color – in addition to many industry standard colors. For even greater customization, we can also custom-match most colors to blend in perfectly with your project.



STANDARD COLORS

 WHITE	 PRECAST WHITE	 IVORY	 SANDSTONE	 BUFF
 OFF WHITE	 LIMESTONE	 ANODIZED ALUMINUM	 GRAY	 ALUMINUM STONE
 LIGHT BRONZE	 CHAMPAGNE	 DUSTY ROSE	 ADOBÉ TAN	 RUSTIC BRICK
 CHARCOAL	 BRONZE	 DARK BRONZE	 BLACK	

All colors shown are approximate and may not reflect sheen or shade precisely, as varying amounts of aggregate will alter light-reflecting properties. Tremco always recommends a test patch to gain final color approval. Different lighting conditions can influence color appearance; for truer color please view in daylight. Some colors may require a minimum quantity. Custom colors are available upon request. Contact Tremco Customer Service for more information.

We certify that Spectrem® 2 has been tested against ASTM C 920, Standard Specification for Elastomeric Joint Sealants and does conform to the specification requirements and is classified as follows:

Type:	S	(Single Component)
Grade:	NS	(Non-sag)
Class:	50	(+/- 50% joint movement)
Use:	NT	(Non-traffic)
	M	(Mortar)
	G	(Glass)
	A	(Aluminum)
	O	(Other)

Spectrem 2 meets and exceeds the requirements of ASTM C 1184, Standard Specification for Structural Silicone Sealants. Silicone sealants are required to meet minimum physical properties which include a Shore A hardness range of 20-60, maximum tack free time of 3 hrs and a minimum tensile value of 50 psi when tested at the following conditions including, standard conditions, 80C(190F), -29 C (-20F) water immersion, and 5000hrs weathering.

Spectrem 2 Black is listed to AAMA 800-92, Voluntary Specifications and Test Methods for Sealants, for Section 1.1, Back Bedding Glazing Compounds, 802.3 Types I and II, Section 1.1, Back Bedding Glazing Compounds, 805.2-92 (Group C), and Section 1.4, Exterior Perimeter Sealing Compound, 808.3.

Spectrem 2 has been tested and passed ASTM C 1382, "Standard Test Method for Determining Tensile Adhesion Properties of Sealants when used in Exterior Insulation and Finish Systems (EIFS) Joints." Third party verification is available upon request.

We further certify that Spectrem 2 conforms to the requirements of the following Federal Specifications:
TT-S-00230C (COM-NBS), Type II, Class A

Spectrem 2 meets CAN/CGSB-19.13-M87.

Spectrem 2 meets the Chinese Specification GB-16776.

Spectrem 2 meets the European Organization for Technical Approval (EOTA) specification ETAG-002, Structural Sealant Glazing Systems.

Although Spectrem 2 is not NSF registered, or previously authorized by USDA, it does meet the requirements for use in Federally inspected food processing facilities provided it is not used in areas where food is being processed, prepared or packaged. The material must also be applied in a manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the sealant must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.

Spectrem 2 may be used in registered establishments operating under the **Canadian Food Inspection Agency**. The Canadian Food Inspection Agency has approved Spectrem 2 for use in CFIA regulated facilities for situations involving non food contact.



BUILDING ENVELOPE WARRANTY

Comprehensive Protection for Your Building Envelope

WARRANTY NUMBER: [Project Number]-[Warranty Number]

PROJECT NAME & ADDRESS:		CONSTRUCTION MANAGER:	
OWNER:		GENERAL CONTRACTOR:	
ARCHITECT/ ENGINEER:		AGGREGATE MATERIAL PURCHASE VALUE:	
ISSUER (THE "COMPANY"):		DATE OF PROJECT SUBSTANTIAL COMPLETION:	

WHAT IS WARRANTED AND WHAT WILL THE COMPANY DO?

Subject to the terms, conditions, and limitations stated in this warranty, the products (the "Products") will be free from manufacturing defect at the time of purchase, will remain in a watertight condition and will perform as warranted in the manner specified for the stated term(s) measured from the Date of Project Substantial Completion, all as outlined on the attached Exhibit. The Exhibit is an integral part of this warranty.

THE COMPANY WILL SUPPLY LABOR AND MATERIALS TO REPAIR OR REPLACE ANY PRODUCTS THAT DO NOT PERFORM AS WARRANTED HEREUNDER.

The Company will determine in its sole discretion the appropriate scope and method of repair or replacement to remedy any condition covered by this warranty.

The total liability of the Company over the life of this warranty shall not in any event exceed the aggregate dollar value of the original cost of the Products specified in the attached Exhibit.

The term of this warranty may be extended for an additional 2 years with involvement on the project of a Company-approved, third-party consultant ("Consultant") engaged by the Owner or its authorized representative, at the Owner's sole expense. Inspection reports generated by the Consultant shall be made available to the Company and the Owner. All deficiencies identified by the Consultant in the inspection reports must be addressed and corrected in accordance with the project specifications, good waterproofing practices generally accepted in the industry, and the Company's published application instructions. Written confirmation that all deficiencies have been addressed and corrected must be provided by the Consultant and Applicator to the Company and the Owner. Actions taken to resolve all deficiencies identified shall be specifically noted in the written confirmation.

HOW DO I GET SERVICE?

The Owner must notify the Company within 30 calendar days from the date that the Owner discovered, or should have discovered, the existence of a claim under this warranty, and before beginning any permanent repair, by submitting a service request form at <https://warranties.tremcocpg.com> or by emailing the Warranty Administrator at warrantyadmin@tremcoinc.com. Emailed notice must include the warranty number and a written description of the location, scope, and nature of the alleged failure of the Products to perform as warranted. Photographs or video of the damaged area are often useful and should also be submitted if available.

The Owner must provide the Company with a reasonable opportunity to investigate the claim and the alleged failure of the Products to perform as warranted herein. The Owner shall have the sole responsibility, at the Owner's cost and expense, to provide the Company with free and full access to the installed Products during regular business hours for purposes of the investigation, including obtaining necessary approval and/or releases from building occupants who may be affected by the investigation and/or by any remedy the Company may provide under this warranty. The Company shall not be responsible for removal of any materials which may cover the Products, or any costs associated with removing or replacing any such materials.

GENERAL REQUIREMENTS:

There will not be any coverage under this warranty unless all the following apply:

- The Products were installed in strict compliance with the project specifications, good waterproofing practices generally accepted in the industry, the Company's published application instructions and technical literature, and any additional written requirements provided by the Company.
- The installation was performed by an Applicator who has received appropriate training prior to installing the Products.
- A pre-construction meeting was conducted with representatives of the Company, the Applicator, the Owner, and the Consultant (if applicable) prior to installation of the Products.
- The Products are used with compatible materials and substrates (in compliance with the Company's published application instructions/technical literature or as otherwise approved in writing by the Company).
- The Products are applied within their stated shelf life.
- The Products are used in applications approved by the Company as suitable.
- The Products are applied to a sound, properly prepared substrate in accordance with published application instructions.

LIMITATIONS AND EXCLUSIONS:

The Company shall not be responsible for, and this limited warranty does not cover, any loss resulting from any of the following:

- The use of other manufacturers' products unless such products are specifically recommended or approved by the Company in writing in advance of their installation, in connection with the use of the Products.
- Any repairs, replacements, penetrations, or alterations of the Products by any person or entity other than authorized representatives of the Company without prior written consent of the Company.
- Water passing through any portion of a structure or building component other than directly through the Products due to a failure in the Products and/or connections between the Products (so long as the connections are Company Products), or any interior moisture, vapor, or condensation.
- Construction, design, specification, storage, application, exposure, installation practices, use of the Products, or use of material, that is not in compliance with the Company's published literature.
- Unauthorized changes in the Products' details or specifications for the project that were not reviewed and approved in advance by the Company in writing.
- Failure to maintain the building and the Products with reasonable care.
- Mold, mildew, insects, pests, fungi, algae, bacteria, air quality, and similar conditions.

- Improper design, engineering, application installation or workmanship of any portion or component of the Products or the structure; or failure, distortion or structural movement of the walls, foundation, or any other portion or component of the structure, including, but not limited to, movement, cracking, deflection, settling of the building or movement of the framing members.
- Impact with objects, hurricanes, tropical storms, tornadoes, high winds, hailstorms, earthquakes, sandstorms, floods, natural disasters, fires, vandalism, war, terrorism, animals, other similar acts of God or nature, force majeure events, or significant or unintended immersion or pooling of water.
- Abuse, misuse, neglect, damage, or negligence by the Owner, the Applicator, the general contractor, or other trades performing work on the project, or any third party.
- Change in principal usage or amount of usage of structure without prior written approval of the Company.
- Intermixing of the Products with other chemicals or materials not specifically required by the Company's specifications or application instructions.

If, at the Owner's request, the Company performs any services or supplies any materials as a mitigation or remediation measure in connection with any unwarranted loss described above, the Company shall be entitled to compensation for such services or materials.

The Company makes no warranty with respect to appearance or color. No representative of the Company has the authority to make any representations, warranties, or promises except as stated herein.

No waiver by the Company of any limitation, term or condition of this warranty shall operate as a waiver of any other limitation, term or condition applicable to any claim, whether of like or different nature. No delay or failure on the Company's part to enforce any right or claim, which it may have hereunder, shall constitute a waiver of such right or claim.

If any part of this warranty shall be determined to be invalid, then such portion shall be deemed severed from the warranty and the remaining terms, exclusions and limitations shall apply.

The Company's obligations under this warranty are expressly conditioned upon receipt of full payment for the Products. Any delay in full payment to the Company shall not extend the warranty term.

This warranty is issued to the above-named Owner and is not assignable or transferable, except upon the express written consent of the Company.

THE COMPANY UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE PRODUCTS EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY.

THE COMPANY ASSUMES NO RESPONSIBILITY THAT THE PRODUCTS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH THE PRODUCTS MAY BE PURCHASED, EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY. IN OTHER WORDS, THE COMPANY EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

THE COMPANY MAKES NO OTHER OR FURTHER WARRANTIES IN CONNECTION WITH THE PRODUCTS EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY DOCUMENT.

THE COMPANY WILL NOT BE RESPONSIBLE UNDER THIS LIMITED WARRANTY FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT (INCLUDING INTENTIONAL, NEGLIGENCE OR OTHERWISE), FOR BREACH OF WARRANTY OR UNDER ANY OTHER THEORY OF LIABILITY, WHETHER OR NOT ARISING FROM OR RELATING TO, DIRECTLY OR INDIRECTLY, THIS WARRANTY, OR THE PERFORMANCE OF, DEFECTS IN, OR IN ANY WAY CONNECTED WITH, THE PRODUCTS COVERED BY THIS WARRANTY. THE COMPANY WILL HAVE NO LIABILITY FOR, AND EXPRESSLY DISCLAIMS LIABILITY FOR, ANY OTHER DAMAGE TO THE BUILDING OR THE CONTENTS OF THE BUILDING AND FOR ANY OTHER CLAIMED DAMAGES, LOSSES, COSTS AND EXPENSES OTHER THAN AS EXPRESSLY SET FORTH IN THIS WARRANTY.

THIS REMEDY EXPRESSLY SET OUT IN THIS WARRANTY WILL BE THE EXCLUSIVE REMEDY FOR ALL PERSONS ENTITLED TO WARRANTY COVERAGE AS DESCRIBED ABOVE. NO OTHER REMEDY SHALL BE APPLICABLE.

SOME JURISDICTIONS LIMIT OR DO NOT ALLOW THE DISCLAIMER OF CERTAIN REMEDIES OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE EXCLUSIONS AND LIMITATIONS OF REMEDIES AND DAMAGES IN THIS SECTION FULLY APPLY TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW.

The terms of this warranty may not be altered, modified, or supplemented except in a writing signed by an officer of the Company that expressly refers to this warranty document and number.

In the event the Owner: (i) fails to provide the Company with timely notice as described above, (ii) fails to provide required access to the installed Products, (iii) undertakes or permits any actions that cause or contribute to failures, such as unauthorized repairs or perforations of the Products, or (iv) otherwise fails to fulfill its responsibilities as described herein, the Company reserves the right to void this warranty upon written notice to the Owner.

To expedite processing, this document may be completed and delivered in electronic form only. This limited warranty applies only to Products installed in the United States and Canada. Under the Quebec Consumer Protection Act, the Company must provide a warranty to consumers, as defined in the Act, that the Company's products shall be fit for the purpose for which such products of that kind are ordinarily used and that the Products must be durable in normal use for a reasonable length of time, having regard to their price and other factors. For more information about your rights if you are a consumer as defined in the Act, you should consult the Quebec Consumer Protection Act at <https://www.educaloi.qc.ca/en/capsules/legal-warranty-automatic-protection-consumers>.

Since the Products are building materials and are not intended to be sold to a "consumer" except as part of real estate or as a major addition thereto, this warranty shall not apply to any party constituting a "consumer" as such term is defined by the Magnuson-Moss Warranty Act.

REQUEST FOR WARRANTY ISSUANCE MUST BE MADE PROMPTLY FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION. THE COMPANY RESERVES THE RIGHT, IN ITS SOLE DISCRETION, TO REFUSE A REQUEST FOR ISSUANCE IF SUCH REQUEST IS NOT MADE WITHIN A REASONABLE TIME FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION.

EXHIBIT

Subject to the terms, conditions, and limitations stated in this warranty, the Company warrants to the Owner:

Warranty No.: [Project Number]-[Warranty Number]

Joinery and Sealants

That the Product(s) will have a useful life under normal service conditions for the period stated in the table below from the Date of Project Substantial Completion.

When the Product(s) are used as a component of a Tremco CPG building envelope system: Adhesion to and compatibility with Products in other sections in this Exhibit are warranted for the period stated in the table below from the Date of Project Substantial Completion when using Company joint seal Product(s), transition Product(s) and/or detailing sealant Product(s) (all of the foregoing collectively referred to as, "Joinery") as prescribed by the Company to connect Tremco CPG building envelope systems. The Company also warrants that the Joinery will make watertight all transitions, terminations, and penetrations connecting Tremco CPG building envelope systems for the period stated in the table below from the Date of Project Substantial Completion.

Silicone Watertight Coverage Requirements:

For Spectrem 1, Spectrem 2, Spectrem 3, Spectrem 4-TS, Proglaze II and Proglaze SSG: The Company warrants that these specific Product(s) will perform as a watertight weatherseal for the period stated in the table below from the Date of Project Substantial Completion if the following conditions have been met:

1. The sealant is used with materials approved by Tremco for compatibility and adhesion; and
2. Field adhesion tests are made, documented, and retained as outlined in Tremco's Field Adhesion Test Procedure in order to confirm adhesion under site conditions.

Any warranty of structural adhesion requires prior print review and testing. Please consult your Tremco Sales Representative for more information.

Non-Staining Silicone Coverage Requirements:

For Spectrem 3 and Spectrem 4-TS Silicone Sealants: The Company warrants that these specific Product(s) will not cause the porous substrates to discolor or change their appearance due to fluid migration for the period stated in the table below from the Date of Project Substantial Completion if the following conditions have been met:

1. The sealant is used with materials approved by Tremco for compatibility and adhesion;
2. Representative substrate samples were submitted to Tremco for compatibility and adhesion testing;
3. The application of the sealant and the joint configurations are completed in accordance with the project prints/specification submitted to Tremco; and
4. Field adhesion tests were made, documented, and retained as outlined in Tremco's Field Adhesion Test Procedure in order to confirm adhesion under site conditions.

Exclusions:

The Silicone Watertight and Non-Staining Silicone warranties do not cover damage to, or failure of, the sealant due to disintegration or contamination of the underlying substrates, mechanical damage (caused by individuals, tools, or other outside agents), or changes in the appearance of the sealant from the accumulation of dirt or other contaminants deposited on the sealant from the atmosphere.

Warranty Issued

Applicator:		Installation Completion Date:	
Consultant (if applicable):		Warranty Term:	
Product:		Linear/Square Footage:	
Product:		Linear/Square Footage:	

SAMPLE