

MAX5000* Window & Door with BioSeal* SILICONIZED ACRYLIC CAULK



PRODUCT DESCRIPTION

MAX5000 Window & Door siliconized acrylic caulk with BIOSEAL is our best performing acrylic caulk for use in areas requiring maximum joint movement and paintability. MAX5000 Window & Door acrylic caulk can allow for 25% expansion or compression of the caulk in the joint. This premium performance technology also has easy tooling, excellent adhesion, and elasticity to contribute to a great looking caulking job. The BIOSEAL Mold & Mildew Protection guards the cured sealant against mold and mildew. MAX5000 Window & Door acrylic caulk is supplied as a latex product and produces a durable, acrylic surface for excellent paintability.

PRODUCT ATTRIBUTES

- **Excellent Adhesion** - Bonds to most conventional substrates and finishes including: wood, metal, concrete, brick, plaster, masonry, drywall, glass, and ceramic tile.
- **±25% joint Movement Capacity** - Can accommodate 25% movement in both extension and compression.
- **Specifications** - Meets the ASTM C-920 Class 25 and TT-S-230C, Type II, Class A specifications.
- **Mold & Mildew Protection** - BIOSEAL technology prevents mold and mildew growth on the cured caulk.
- **Paintable** - May be painted with latex and oil based paints. For best results allow overnight for thorough drying before applying paints.
- **Non-Staining** - Does not stain or discolor most substrate surfaces.
- **Finishing Time** - Tack free in 1 hour and paint over in 2 hours, minimizing back in service time.
- **Stable Consistency (uncured state)** - Supplied as a latex product, the caulk is stable over several freeze/thaw cycles. However, care should be taken to not freeze the product whenever possible. The caulk should be applied only when the caulk and the surface temperatures are above 40°F (5°C).
- **Soap & Water Clean-Up** - Excess caulk can be easily cleaned up with soap and water.
- **Low Sag or Slump** - Useful for application to horizontal, vertical or overhead surfaces.

BASIC USES

- MAX5000 Window & Door acrylic caulk may be suitable for use around doors, windows, crown molding, siding & trim, baseboards, countertops, bathroom fixtures, and painted surfaces. MAX5000 Window & Door may be suitable to patch non-structural cracks and joints on many common substrates including; stucco, precast concrete, concrete block, brick, and wood.



Licensed
Products



MOMENTIVE
performance materials

PACKAGING

MAX5000* Window & Door acrylic caulk is available in 10.1 fl. oz. (299 ml) plastic cartridges. Cartridges are available with fixed nozzles. Plastic cartridges are packaged as 12 units in cardboard boxes. Cartridges are dispensed using a single component hand or air-pressured caulking gun.

Colors

MAX5000 Window & Door acrylic caulk is available in white, clear, and 6 colors.

Grade	Application	Color	Product UPC	Size	Pack Size
GE22764	Window & Door	White	077027227642	10.1 fl oz	12 each
GE22780	Window & Door	Clear	077027227802	10.1 fl oz	12 each
GE25681	Window & Door	Almond	077027256819	10.1 fl oz	12 each
GE25692	Window & Door	Antique White	077027256925	10.1 fl oz	12 each
GE25356	Window & Door	Black	077027253566	10.1 fl oz	12 each
GE25624	Window & Door	Brown	077027256246	10.1 fl oz	12 each
GE25645	Window & Door	Cedarwood	077027256451	10.1 fl oz	12 each
GE25665	Window & Door	Gray	077027256659	10.1 fl oz	12 each

TYPICAL PROPERTIES

Typical property values of MAX5000 Window & Door acrylic caulk as supplied and cured are set forth in the tables below. Typical product data values should not be used as specifications.

Typical Properties – Supplied

Property	Value ⁽¹⁾	Test Method
Consistency	Latex	
Odor	Slight Acrylic	
Tack Free Time (@ 72°F (22°C), 50% RH)	1 hour	ASTM C679
Paint Over Time	2 hours	
Full Cure	2 Days	
Freeze/Thaw Stability	5 Cycles	Lab Value
Temperature Range Application	>40°F (5°C)	
<i>White and Colors</i>		
Weight per US Gallon	11.67 pounds	
% Solids by Weight	78 ±2%	
Specific Gravity	1.40	
VOC	<48 grams/liter	WPSTM C1454
<i>Clear</i>		
Weight per US Gallon	8.79 pounds	
% Solids by Weight	60 ±2%	
Specific Gravity	1.06	
VOC	45 grams/liter	WPSTM C1454
Goes On White - Turns Clear	In 7 to 14 days	

Typical Properties – Cured

Property	Value ⁽¹⁾	Test Method
Joint Movement Capability	±25%	ASTM C719
Service Temperature Range (after cure)	-10°F to +180°F (-23°C to 82°C)	
Slump	None	ASTM D-2202
Paintable	Latex & Oil Based	
Coverage	51 ft @ 3/16" bead	

(1) Average value. Actual value may vary.

APPLICABLE STANDARDS

MAX5000* Window & Door acrylic caulk meets or exceeds the requirements of the following specifications:

American Society for Testing & Materials International

- ASTM C920 Standard Specification for Elastomeric Joint Sealants; Type S, Grade NS, Class 25, Use NT, G, & M
- ASTM C834, Type OP, Grade -18°C

U.S. Federal Specifications: (cancelled Sept. 1996)

- TT-S-00230C Sealing Compound: Elastomeric Type, Single Component (for Caulking, Sealing & Glazing in Buildings and Other Structures) Type II, Class A

SUGGESTED REFERENCES

In addition to the guidelines provided on this datasheet, Momentive Performance Materials recommends that designers and users of MAX5000 Window & Door acrylic caulk familiarize themselves with the latest editions of following industry guidelines and best practices:

- 1.) ASTM C1193 Standard Guide for Use of Joint Sealants.

INSTALLATION

Caulk may not adhere or maintain long-term adhesion to substrates if the surface is not prepared and cleaned properly before caulk application. Using proper materials and following prescribed surface preparation and cleaning procedures is vital for caulk adhesion.

SURFACE PREPARATION

- Surfaces must be clean, dry and sound prior to application of the caulk. All contaminants, impurities, or other adhesion inhibitors (such as moisture/frost, oils, old caulk, soaps and other surface treatments, etc.) must be removed from the surfaces to which the caulk is intended to adhere.
- To remove mildew, scrub with a solution of 3 heaping teaspoons of Trisodium Phosphate (TSP), 1 quart household bleach and 3 quarts of warm water. Follow manufacturer's directions when working with cleaning solutions. Rinse thoroughly and allow to dry.
- Cleaning of surfaces should be done within 1 to 2 hours of when the caulk is to be applied.
- Use of a suitable latex or oil-based primer prior to application may be appropriate.

Masking

The use of masking tape is recommended where appropriate to ensure a neat job and to protect adjoining surfaces from over-application of caulk. Masking tape should be removed immediately after tooling the caulk and before the caulk begins to skin over (tooling time).

Caulk Application

- Apply caulk in a continuous operation applying a positive pressure adequate to properly fill and seal the seam, cavity or joint.
- Tool or strike the caulk with a concave tool, applying light pressure to spread the material against the joint surfaces to ensure a void-free application. Tool in 3 to 5 minutes.
- Caulk application is not recommended when the temperature is below 40°F (5°C) or if frost or moisture is present on the surfaces to be sealed.
- Protect from moisture until fully cured.
- High humidity and cold temperatures can increase cure time.
- Clear caulk goes on white, turns clear in 7 to 14 days.

Method of Application

MAX5000 Window & Door acrylic caulk is easily dispensed directly from cartridges using standard caulking guns, air operated guns or from squeeze tubes. Maximum recommended pressure for air-operated guns is 45 psig (3.2 kgs/cm²).

PRODUCT SAFETY, HANDLING AND STORAGE

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

PATENT STATUS

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

LIMITATIONS

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular application.

MAX5000* Window & Door acrylic caulk is not recommended:

- For structural repairs.
- For below grade or water immersion.
- For applications where the surrounding materials will exceed sustained temperatures of 180°F.
- On cured concrete surfaces if the pH of the substrate is above 10. Allow "new" concrete to cure for 30 days. After 30 days, test for the alkalinity before application.
- For application to bare steel that has not been protected with a rust inhibitive primer.
- For use in food contact applications or in aquariums.
- For use on surfaces with special coatings, such as mirrors, without approval of the manufacturer of the article.

MAX5000 Window & Door acrylic caulk should not be applied or used:

- Under exceedingly hot or cold conditions (see Caulk Application section for additional information).
- On wet, damp, frozen or contaminated surfaces.
- On excessively basic or acidic substrates.

Precautions

- In joints greater than 1/4", caulk depth should be controlled with a closed cell, non-gassing type backer-rod. Backer rod should be slightly larger in diameter (25 to 50%) than the joint width.

WARRANTY

Manufacturer warrants the performance of this product, provided it is properly stored and applied. If not satisfied, return proof of purchase for a refund. Manufacturer shall not be liable for damages in excess of the purchase price. THIS IS THE SOLE AND EXCLUSIVE REMEDY (AND SOLE AND EXCLUSIVE LIABILITY OF MANUFACTURER) FOR DEFECTS IN OR FAILURE OF THIS PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

Location	Momentive Performance Materials Products	All Chemical Products
Mainland U.S., Puerto Rico	518.233.2500	CHEMTREC: 800.424.9300
Alaska, Hawaii	518.233.2500	CHEMTREC: 800.424.9300
Canada	518.233.2500	CHEMTREC: 800.424.9300
Europe	+518.233.2500 (Albanian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Spanish, Swedish, Turkish, Ukrainian)	+44.(0)208.762.8322 (UK)
Middle East, All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
Middle East, Israel	+518.233.2500	+44.(0)208.762.8322 (UK)
Latin America, Asia/Pacific, all other locations worldwide	+518.233.2500	CHEMTREC: +1-703.527.3887 (collect)
At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC., MOMENTIVE PERFORMANCE MATERIALS USA INC., MOMENTIVE PERFORMANCE MATERIALS ASIA PACIFIC PTE. LTD., MOMENTIVE PERFORMANCE MATERIALS WORLDWIDE INC., MOMENTIVE PERFORMANCE MATERIALS GmbH, THEIR SUBSIDIARIES AND AFFILIATES DOING BUSINESS IN LOCAL JURISDICTIONS (collectively "SUPPLIERS"), ARE SOLD BY THE RESPECTIVE LEGAL ENTITY OF THE SUPPLIER SUBJECT TO SUPPLIERS' STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIERS MAKE NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SUPPLIERS' PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE AFOREMENTIONED EXCLUSIONS OR LIMITATION OF LIABILITY ARE NOT APPLICABLE TO THE EXTENT THAT THE END-USE CONDITIONS AND/OR INCORPORATION CONDITIONS CORRESPOND TO THE RECOMMENDED CONDITIONS OF USE AND/OR OF INCORPORATION AS DESCRIBED BY SUPPLIER IN ITS PRODUCT DATA SHEET AND/OR PRODUCT SPECIFICATIONS. EXCEPT AS PROVIDED IN SUPPLIERS' STANDARD CONDITIONS OF SALE, SUPPLIERS AND THEIR REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Suppliers' materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Suppliers' products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Suppliers' Standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Suppliers. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Suppliers or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.



is a trademark of General Electric Company
and is under license by Momentive Performance Materials Inc.
Huntersville, NC 28078

*MAX5000 and BioSeal are trademarks of Momentive Performance Materials Inc.
Momentive and M-design logo are trademarks of Momentive Performance Materials Inc.
Copyright 2009 Momentive Performance Materials Inc. All rights reserved.