

Paintable Silicone All Projects Window & Door Sealant

Product Description

Paintable Silicone All Projects Window & Door sealant is a high-performance sealant with a hybrid formulation that combines the outstanding waterproof performance you would expect from a silicone sealant with the ease of use and paintability of an acrylic latex. This 100% waterproof sealant is ideal for a range of exterior and weatherproofing projects and can be exposed to water or painted in as little as 30 minutes. Paintable Silicone All Projects sealant offers 7-year mold-free product protection, goes on smoothly, and is easy to tool. This flexible and durable sealant will not crack or crumble over time. Backed by a lifetime guarantee.

Product Attributes

- Hybrid performance, waterproof and paintable
- 100% waterproof
- 30-minute rain-ready⁽¹⁾
- 30-minute paint-ready⁽²⁾
- Resists mold⁽³⁾ with 7-year mold-free product protection
- Permanent flexibility
- Excellent adhesion to wet or dry surfaces⁽⁴⁾
- Shrink & crack-proof
- Low odor
- Meets ASTM C-920 Class 25 specifications
- Lifetime guarantee

(1) Exposure to rain or water possible in as little as 30 minutes with bead size max 3/16", temperature min 65°F (18.3°C) and humidity min 50%. Otherwise, sealant should not be exposed to water for 8 hours. Do not touch or clean caulk for 24 hours

(2) Sealant can be painted in as little as 30 minutes with bead size 3/16", temperature min 65°F (18.3°C) & humidity min 50%. Otherwise, seals should not be painted for 2 hours. Spray paint can be applied immediately. Apply paint with reduced applicator pressure to avoid disturbing the sealant. Not recommended with oil-based paints. If oil-based paints are used, first test applying an acrylic primer and paint in a small, inconspicuous area.

(3) Fully cured sealant is resistant to stain-causing mold & mildew. Regular cleaning of sealant is required, however, as soap and other residue can cause secondary mold and mildew growth

(4) Can be applied to damp or dry surfaces. For wet surfaces, wipe off excess water before applying. Do not apply to materials that are water saturated such as wood and concrete. Do not use in areas of ponding water.



Basic Uses

Paintable Silicone All Projects Window & Door sealant is used in a wide variety of applications including, but not limited to windows, doors, siding, trim, decks, lattice, soffits, and vents.

Adheres To

Common building materials including most metals and woods, aluminum, composites, brick, stone, stucco, masonry, cement board, glass, porcelain, ceramic tile, drywall, plaster, vinyl siding, PVC, fiberglass, and painted surfaces.

Paintable Silicone All Projects Window & Door sealant should not be considered:

- For structural repairs
- For use underwater or in other applications where the product will be in continuous contact with water
- For use in food contact applications
- For use in aquariums
- For use on surfaces with special coatings, such as mirrors, without approval of the article's manufacturer
- Under exceedingly hot or cold conditions (see Sealant Application section for additional information)
- On frozen or contaminated surfaces
- On excessively basic or acidic substrates
- For use on surfaces that are above 120°F (49°C)

Packaging

Paintable Silicone All Projects Window & Door White sealant is currently available in 10.1 fl. oz. (299 mL) plastic caulking cartridges with fixed nozzles. Paintable Silicone All Projects Window & Door Crystal Clear sealant is currently available in 9.5 fl. oz. (281 mL) plastic caulking cartridges with removeable nozzles. Cartridges are packaged as 12 units in cardboard boxes. Cartridges are dispensed using a single component hand or air-pressured caulking gun.

Paintable Silicone All Projects Window & Door Sealant

Model #	Stock #	Color	Product UPC	Size	Carton Size	Coverage (3/16" bead)
GE7000	GEPPTSILAPWD WHT	White	077027070002	10.1 fl. oz.	12 each	51 Linear Feet
M90033	GEPPTSILAPWD CLR	Crystal Clear	077027900330	9.5 fl Oz	12 each	47 Linear Feet



White



Crystal Clear

Installation

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

Typical Properties

Typical property values of Paintable Silicone All Projects Window & Door sealant as supplied and cured are set forth in the tables below.

Typical Properties – Supplied

Property	Value	Test Method
Consistency	Paste	
VOC (ex. water & exempt)	< 21 g/L - White 11 g/L - Clear	WPSTM C1454
CARB Chem Curing (n.a.) VOC	< 3.0 wt%	
Odor	Low	
Work Life (tooling time)	20 minutes	
Tack Free Time (@ 72°F (22°C), 50% RH)	30 minutes - White 60 minutes - Clear	ASTM C679
Rain-Ready	30 minutes	
Sag/Slump	< 0.01 inches	ASTM D2202

Typical Properties – Cured

Property	Value	Test Method
Hardness, Durometer (Type A Indenter)	29	ASTM D2240
Tensile Strength	130 psi	ASTM D412
Elongation	210%	ASTM D412
Specific Gravity	1.40 - White 1.04 - Clear	
Joint Movement Capability	±25%	ASTM C719
Service Temperature Range (after cure)	-30°F to +150°F (-34°C to 65°C) White -75°F to 250°F (-59°C to 121°C) Clear	
Cure Time (1/4" or 6mm deep section)	24 hours	
Full Cure (most common bead sizes)	5-7 days	

Typical properties are average data and are not to be used as or to develop specifications.

Surface Preparation

- Surfaces must be clean and sound prior to application of the sealant. All contaminants, impurities, or other adhesion inhibitors (such as frost, oils, old sealants, soaps and other surface treatments, etc.) must be removed from the surfaces to which the sealant is intended to adhere.
- For cleaning, a solvent-dampened clean rag usually produces the desired result. Isopropyl alcohol (IPA) is a commonly used solvent and has shown to be effective with most non-porous substrates. When handling solvents, refer to manufacturer's SDS for information on handling, safety and personal protective equipment.
- Architectural coatings, paints and plastics should be cleaned with a solvent approved by the manufacturer of the product or which does not harm or alter the finish.
- Since porous materials can absorb and retain moisture, it is important to confirm that substrates are dry prior to application of the sealant.
- Cleaning of surfaces should be done within 1 to 2 hours of when the sealant is to be applied.

Masking

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

Instructions

1. Remove dirt, grease, moisture, soap residue and old caulk from area to be sealed. Use backer rod for gaps larger than 1/2" x 1/2" (12.7mm x 12.7).⁽¹⁾
2. Cut nozzle to obtain desired bead size.
3. PIERCED INNER FOIL SEAL
4. Using a caulk gun, apply sealant into gap. Smooth the sealant into the gap.
5. Wipe hands & tools thoroughly before washing.
6. Allow a minimum of 30 minutes before exposing sealant to water (see Product Attributes above).

(1) Sealant 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.

Sealant Application

- Apply sealant in a continuous operation applying a positive pressure adequate to properly fill and seal the seam, cavity or joint.
- Tool or strike the sealant with a concave tool, applying light pressure to spread the material against the joint surfaces to ensure a void-free application.
- When tooling, use care not to spread the sealant over the face of the substrates adjacent to the joint or masking as Paintable Silicone All Projects Window & door sealant can be extremely difficult to remove from rough or porous substrates. Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured. On porous surfaces the excess sealant should be allowed to progress through the initial cure or set-up. It should then be removed by abrasion or other mechanical means.
- If sealant is applied when the temperature is below 40°F (4°C) or if frost or moisture is present on the surfaces to be sealed, the rate of cure will slow. For standard cure speed, apply in temperatures above 40°F.
- The cure rate of this product is primarily dependent upon temperature and the availability of atmospheric moisture. Under average conditions (relative humidity of 50 ±5% at an air temperature of 73.4 ±2°F [23 ±1°C]) this material can attain a cured thickness of 2-3 mm per 24 hours (assuming ample access to atmospheric moisture). As temperature decreases, the cure rate slows down (and vice versa). Low moisture environments will also reduce the cure rate. Near-confined spaces, which limit the overall access to atmospheric moisture, sealant will cure only from that surface which has access to the atmosphere.

Note

- Some materials that bleed plasticizers or oils can cause a discoloration on the surface of sealants. When sealing to or over items such as: rubberized gaskets, bituminous based materials, butyl or oil-based products, oily woods, tapes, etc., compatibility testing prior to use is recommended.
- Silicone materials are hydrophobic in nature and if inadvertently over-applied onto adjacent joint surfaces (even if removed immediately), can create a waterproofing effect of a substrate when the substrate is wet. See section on Masking.

Specifications

Meets ASTM C-920, Type S, Grade NS, Class 25, Use NT, G, A & O Test Requirements
Federal Specification TT-S-00230C, TT-S-001543A

Suggested References

In addition to the guidelines provided on this datasheet, Momentive Performance Materials recommends that designers and users of Paintable Silicone All Projects sealant familiarize themselves with the latest editions of the following industry guidelines and best practices:

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

Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.GEsealants.com or, upon request, from any MPM representative. Use of other materials in conjunction with MPM sealants 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.

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