



Technical Data Sheet

Revision: December 1, 2024
Supersedes: New
Ref. #: 253797, 253795

Exterior Seal Acrylic Caulk

DESCRIPTION

GE Exterior Seal is an advanced grade paintable acrylic caulk. This formulation offers strong adhesion and excellent flexibility to withstand severe weather conditions. Exterior Seal is water resistant, ideal for exterior paint projects, and ready for painting in as little as 30 minutes for quicker workflow. This caulk squeezes out effortlessly, tools smoothly, and cleans-up easily with soap and water.

Available as:

Item #	Country	Package	Size	Color
3019863	USA	Squeeze tube	5.5 fl. oz. (162 mL)	White
3019858	USA	Squeeze tube	5.5 fl. oz. (162 mL)	Clear

FEATURES & BENEFITS

- Formulated for window, door and siding projects
- Weather resistant
- 30-minute paint-ready ^[2]
- Easy to use

RECOMMENDED FOR

Exterior Seal adheres to common building materials including most metals and woods, aluminum, brick, stone, stucco, masonry, cement board, glass, porcelain, ceramic tile, drywall, plaster, vinyl siding, PVC, fiberglass, and many coated surfaces.

LIMITATIONS

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 (direct or indirect)
- For use in aquariums
- For use on surfaces with special coatings, such as mirrors, without approval of the article's manufacturer
- On frozen or contaminated surfaces
- On excessively basic or acidic substrates
- For use as a traffic bearing sealant or as chinking on log homes
- For use under shower door tracks, or as a spackling compound.
- For use with fillers impregnated with oil, asphalt, tar, or any other migratory saturates

COVERAGE

For a 5.5 fl. oz. (162 mL) squeeze tube:

- A ¼" (6 mm) bead extrudes approx. 15 ft. (4.7 m)
- A 3/8" (9.5 mm) bead extrudes approx. 7.5 lin. ft. (2.3 m)



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TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Colors:</u>	White and clear/milky Note: Clear extrudes white but turns clear as it dries	<u>Application Temperature:</u> (substrate & ambient)	Apply at temperatures above 40°F (5°C) and below 100°F (38°C)
<u>Appearance:</u>	Liquid	<u>Tooling / Open Time:</u>	5 – 10 minutes*
<u>Base:</u>	Elastomeric acrylic/urethane latex polymer	<u>Tack Free Time:</u>	30 – 60 minutes*
<u>Odor:</u>	Mild, acrylic	<u>Cure Time:</u>	1 – 14 days or longer*
<u>VOC Content:</u>		<u>Clean Up:</u>	Clean up uncured sealant residue immediately with warm, soapy water. Cut or scrape away cured sealant using a sharp-edged tool.
White:	0.3% by weight 42 g/L		
	CARB SCAQMD		
Clear:	0.4% by weight 63 g/L		
	CARB SCAQMD		
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)	<u>Lot Code Explanation:</u>	
		YYDDD	
		YY = Last two digits of year of manufacture	
		DDD = Day of manufacture based on 365 days per year	
		<u>Example:</u> 22082 = March 23, 2022 is the date of manufacture and March 23, 2024 is the expiration date	

* At 73°F (23°C) and 50% relative humidity using 1/4" (6mm) thick bead
Time is dependent on temperature, humidity, porosity of substrate, and thickness of bead applied.

Typical Cured Performance Properties			
<u>Colors:</u>	White and clear/milky	<u>Service Temperature:</u>	-5°F (-21°C) to 170°F (77°C)
<u>Cured form:</u>	Non-flammable solid	<u>Shrinkage:</u>	≤ 30% (clear)
<u>Water Resistant:</u>	Yes ^[1]	<u>Joint Movement Capability:</u>	± 25% ASTM C719
<u>Paintable:</u>	Yes ^[2]		
<u>Specifications:</u>	ASTM C-920, Type S, Grade NS, Class 25 Federal Spec. TT-S-00230C; TT-S-001543A		

[1] Exposure to rain or water possible in 24 hours. Do not touch or clean caulk for 24 hours.

[2] Sealant can be painted 30 minutes after application with a high-quality acrylic latex paint or primer for bead size 1/4", temperature min 65°F & humidity min 50%. Otherwise, sealant should not be painted for 2 hours. Spray paint may be applied immediately. If using oil-based paints, allow to dry 24 hours and test first for compatibility in an inconspicuous area. Apply paint with reduced applicator pressure to avoid disturbing the caulk. Clean-up with a damp, disposable cloth; do not rinse.



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DIRECTIONS

Tools Typically Required:

GE Cartridge and Tube Opener and Smoothing Tool; or utility knife.

Safety Precautions:

Wear gloves and wash hands after use.

Surface Preparation:

- Surfaces must be clean, dry, structurally sound and free from dirt, dust, grease, oil, mildew, or other contaminants likely to impair adhesion prior to application of the sealant. Cleaning of surfaces should be done within 1 to 2 hours before sealant is to be applied, to allow surfaces to dry. For best performance, store cartridge at room temperature at least 24 hours before use.
- 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 for most substrates. When handling solvents, refer to manufacturer's SDS for information on handling, safety, and personal protective equipment.
- Use backer rod for gaps wider than 3/8" (9.5 mm) x 1/4" (6 mm) depth. A width to depth ratio of 2:1 should be maintained.
- Bare surfaces may require priming before sealant application depending on surface condition and composition. 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 substrates are dry prior to application of the sealant.

Masking: Masking tape may be used, if desired, 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/Open time).

Application:

- Cut nozzle to obtain desired bead size using GE Cartridge and Tube Opener and Smoothing Tool, or utility knife.
- Apply sealant at temperature above 40°F (5°C) in a continuous operation applying a positive pressure adequate to properly fill and seal the seam, cavity, or joint.

Note: Exterior Seal - clear extrudes white and will turn clear as it dries

- Smooth or tool the sealant into gap within 5 – 10 minutes of application. 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. Excess sealant should be cleaned with a damp sponge before it skins over. Excess dried sealant must be cut or scraped away or removed by other mechanical means.
- Allow to dry 30 minutes before painting ^[2] with high quality acrylic latex paint or 24 hours if using oil-based paint. Do not expose to water or clean sealant for 24 hours.

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.
- While Exterior Seal is generally considered a non-priming sealant, special circumstances or substrates may require a primer. It is the user's responsibility to test substrate compatibility, and the adhesion of the cured sealant on a test joint before applying to the entire project.
- Customers must evaluate GE products and make their own determination as to fitness of use in their particular application.
- In addition to the guidelines provided on this datasheet, Henkel Corporation recommends that designers and users of Exterior Seal familiarize themselves with the latest editions of the following industry guidelines and best practices:
 - 1.) ASTM C1193 Standard Guide for Use of Joint Sealants.

STORAGE & DISPOSAL

DAMAGED BY FREEZING. Store in unopened containers in a cool, dry area away from heat and direct sunshine under standard conditions. Standard storage conditions are defined as 72 ± 4°F (22 ± 2°C) and < 50% relative humidity. Elevated temperatures or extreme cold temperatures will reduce shelf life. In cool or cold weather, store container at room temperature for at least 24 hours before using. Use an approved hazardous waste facility for disposal facility. Hardened material may be disposed of in the trash.



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LABEL PRECAUTIONS

WARNING! UNCURED SEALANT IRRITATES EYES, SKIN AND RESPIRATORY TRACT. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

WARNING! Contains ethylene glycol, mineral oil, and crystalline silica (white only). Avoid eye and skin contact. Prolonged or repeated skin contact with uncured sealant may cause irritation. Wear gloves and safety glasses when applying product. Use with adequate ventilation. Do not swallow. Remove contact lenses before using sealant. Wash hands after using.

FIRST AID: For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wash thoroughly with soap and water. If affected by inhalation, remove to fresh air and get medical attention. If ingested, do not induce vomiting; call a physician or Poison Control Center immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

 **WARNING:** Risk of cancer and reproductive harm. See www.P65Warnings.ca.gov

Refer to the Safety Data Sheet (SDS) for further information

DISCLAIMER

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www.gesealants.com



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