Technical Data Sheet

Revision: July 1, 2024
Supersedes: February 1, 2023
Ref. #: 254070, 254057, 422570

Multi-Purpose Seal & Fill Window & Door

DESCRIPTION

GE branded Multi-Purpose Seal & Fill Window & Door is an advanced grade caulk offering strong adhesion and excellent flexibility to withstand severe weather conditions. Ideal for interior and exterior paint projects, this water-resistant caulk is paint-ready in as little as 30 minutes. Multi-Purpose Seal & Fill guns out effortlessly, tools smoothly, and cleans-up easily with soap and water. When fully cured, this caulk is resistant to stain-causing mold and mildew growth.

Available as:

Item #	Country	Package	Size	Color
3005428	USA	Plastic cartridge	10 fl. oz. (295 ml)	White
3005780	USA	Squeeze Tube	5.5 fl. oz (163 ml)	White
3005190	USA	Plastic cartridge	10 fl. oz. (295 ml)	Clear

FEATURES & BENEFITS

- Strong flexibility and adhesion
- Resists cracking for long-lasting professional results
- Paintable in 30 minutes [2], with a latex paint, ensures quick completion of projects
- Low odor and low VOC – ideal for indoor projects
- Water-based caulk is easy to use and tool
- Cured caulk forms a waterproof seal
- Long-lasting mold-resistant [3] sealant
- Soap and water clean-up

RECOMMENDED FOR

Multi-Purpose Seal & Fill Window & Door can be used in a wide variety of interior and exterior applications including, but not limited to, sealing gaps or cracks around windows, door frame, trim, baseboards, walls, vents, and moldings. This caulk bonds to most common building materials such as wood, drywall, plaster, metals, brick, stone, stucco, masonry, cement board, glass, vinyl siding, PVC, fiberglass, and most painted surfaces.

LIMITATIONS

Should not be considered:

- For structural repairs
- In below grade, underwater or water immersion, or other applications where the product will be in continuous contact with water
- For use in food contact applications (direct or indirect), or aquarium use. This product is not FDA approved
- For joints deeper than 1/4” without the use of a backer rod, or in joints wider than 5/8”
- For architectural joints, horizontal joints subject to heavy abrasion or wear, expansion joints, or for tuck pointing
- For use under shower door tracks, or as a spackling compound
- For use on surfaces that are above 100°F (38°C)
- In outdoor applications when rain or freezing temperatures are expected within 24 hours, or under exceedingly hot or cold conditions
- For use on wet, damp, frozen, or contaminated surfaces
- For use on surfaces with special coatings, such as mirrors, without approval of the article’s manufacturer, or on metals that will corrode
- On excessively basic or acidic substrates
- On cured concrete surfaces if the pH of the substrate is above 10. Allow “new” concrete to cure for 30 days before applying. After 30 days, test for alkalinity before application

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COVERAGE

For a 10 fl. oz. (295 ml) cartridge:

- A 1/4” (6 mm) bead extrudes approx. 31 ft. (9.3 m)
- A 3/8” (9.5 mm) bead extrudes approx. 13.7 ft. (4.2 m)

For a 5.5 fl. oz. (163 ml) squeeze tube:

- A 1/4” (6 mm) bead extrudes approx. 15 ft. (4.7 m)
- A 3/8” (9.5 mm) bead extrudes approx. 6.8 ft. (2.1 m)

TECHNICAL DATA

Typical Uncured Physical Properties

Colors:	White, Clear	
Appearance:	Viscous liquid	
Base:	Synthetic Latex Rubber	
Specific Gravity:	1.69 – White 1.06 – Clear	
VOC Content		
White:	1.5% by weight	CARB
	33 g/l	SCAQMD rule 1168
Clear:	1% by weight	CARB
	< 15 g/l	SCAQMD rule 1168
Viscosity		
White:	≤ 1,000,000 cps	
Clear:	250,000 - 350,000 cps	
White (squeeze tube):	120,000 - 152,000 cps	

Typical Application Properties

Application Temperature:	Apply at ambient temperatures above 40°F (5°C) and below 100°F (38°C) Surface temperatures must be above 40°F (5°C)
Odor:	Mild acrylic
Maximum Joint Size:	5/8” (16 mm) x ½” (13 mm)
Skin Time / Tack Free:	30 minutes*
Tooling / Open Time:	15 minutes*
Cure Time:	2–7 days* at 78°F (25°C) and 50% RH
Clean Up:	Warm water and soap. Scrape away cured sealant using a sharp-edged tool
Shelf Life:	24 months from date of manufacture (unopened)

Lot Code Explanation:	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days per year
Example:	20082 = March 23, 2020 is the date of manufacture

** Time is dependent upon temperature, humidity, porosity of substrate and depth of sealant applied. Cure time is increased in cold temperatures and/or high humidity environments.*

Typical Cured Performance Properties

Colors:	White, Clear	Service Temperature:	-5°F (-21°C) to 170°F (77°C)
Cured form:	Flexible solid	Shore A Hardness:	65 (ASTM C661)
Paintable:	Yes, after 30 minutes with latex paint and after 24 hours with an oil-based paint [2]	Tensile Strength:	134 psi (ASTM D412)
		% Elongation:	210% (ASTM D412)

Peel Adhesion: (ASTM C794)			
Aluminum (Dry)	10 pli	Wood (Dry)	8 pli
Aluminum (Wet)	12 pli	Vinyl (Dry)	3 pli
Glass (Dry)	8 pli	Vinyl (Wet)	7 pli
Glass (Wet)	11 pli		

Specifications:	Meets ASTM C834
Joint Movement Capability:	< 7%

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun, and tool to puncture inside seal of cartridge.

Safety Precautions:
Wear gloves and wash hands after use.

Preparation:
- The temperature of the product, any surfaces, and the working area must be above 40°F (5°C). For best performance, apply sealant at 70°F (21°C). It is recommended to store cartridge at room temperature at least 24 hours before use during extreme cold weather conditions.
- Cut off tip of cartridge at a 45° angle to desired bead size (3/8" recommended for exterior applications). Puncture inside seal of cartridge.
- Surfaces must be clean, dry, and structurally sound prior to application of the sealant. All, dust, dirt, frost, grease, oil, and other foreign contaminants, impurities, or any adhesion inhibitors (such as old sealants, oils, soaps, and other surface treatments, etc.) must be removed from surfaces to which the sealant is intended to adhere to. Cleaning of surfaces should be done within 1 to 2 hours before sealant is to be applied, to allow surfaces to dry.
- For cleaning, a solvent-dampened, clean rag usually produces the desired result. Isopropyl alcohol (IPA) is a commonly used solvent that 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.
- Use backer rod for gaps deeper than ¼" (6 mm).
- 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.

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 (see Tooling / Open time).

Application:
- Using a caulking gun, apply steady trigger pressure, forcing the sealant onto the surface and into the joint. Maximum joint size should not exceed 5/8" (16 mm) x ½" (13 mm). A width to depth ratio of 2:1 should be maintained. Smooth bead with a wet finger or tool. Allow to dry 30 minutes before painting with latex paint or 24 hours if using oil-based paints. Allow a minimum of 2 days [1] before exposing to water.

Note: Clear sealant will extrude white and turn clear as it dries, in approximately 10 – 14 days.

Clean-up:
Clean tools and uncured adhesive residue immediately with warm water and soap. Cured adhesive may be carefully cut away with a sharp-edged tool.

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.
- If Multi-Purpose Seal & Fill Window & Door 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.
- Users must evaluate GE branded products and make their own determination as to fitness of use in their specific application. It is the user's responsibility to test substrate compatibility, and adhesion of the cured sealant on a test joint before applying to the entire project.

[1] Exposure to water possible in 2 days with bead size max ¼", temperature min 65°F (18.3°C), and humidity min 50%. Otherwise, sealant should not be exposed to water until fully cured.
[2] Sealant can be painted with latex paint or primer in 30 minutes with bead size ¼", temperature min 65°F (18.3°C) & humidity min 50%. Otherwise, seals should not be painted for 2 hours or exposed to water for 24 hours. Allow to dry for 24 hours if using oil-based paints. Do not touch for 24 hours, unless applying paint. Spray paint can be applied immediately. Apply paint with reduced applicator pressure to avoid disturbing the caulk. Clean-up with a damp, disposable cloth; do not rinse.
[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.

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STORAGE & DISPOSAL

KEEP FROM FREEZING. Store in a cool, dry location at room temperature. For maximum shelf-life store at 75°F (24°C). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

White: **CAUTION!** Contains crystalline silica. May irritate eyes and skin. Avoid contact with eyes and skin. Do not swallow.

FIRST AID: If swallowed, call a physician or Poison Control center. For eye contact, rinse immediately with plenty of water for 15 minutes, and seek medical attention. For skin contact, wash immediately with soap and water. **KEEP OUT OF THE REACH OF CHILDREN.**

Clear: **CAUTION!** May irritate eyes and skin. Avoid contact with eyes and skin. Do not swallow.

FIRST AID: If swallowed, call physician or Poison Control center. For eye contact, flush with water for 15 minutes. For skin contact, wash with soap and water. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

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

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067
www.henkelna.com