



PRO Window & Door Foam

DESCRIPTION

LOCTITE® Pro Window & Door Foam is specially formulated to seal out air and moisture when used in the installation of new or replacement windows and doors. The 'no bow' formula will not bend window or door frames because it has a low-pressure expansion. The foam is ready to be used with any standard foam gun applicator which provides superior control and reusability.

Available as:

| Item # | Package | Size | Color |
|---------|----------------|------------------|-------------|
| 2865807 | Metal Canister | 21.1 oz. (598 g) | Pale yellow |

FEATURES & BENEFITS

- Low foam pressure/Low expansion - will not warp or deform windows and doors
- High yield - seals up to 19 windows (standard size 36" x 60") ^[1]
- Compatible with standard foam gun applicators
- Quick setting formulation - can be cut or trimmed in less than 1 hour
- Tack-free in 10 minutes

^[1] When sealing a standard sized window (36" x 60" using ½" bead for gap 1" deep) under ideal conditions. Results may vary.

RECOMMENDED FOR

LOCTITE Pro Window & Door Foam is used to insulate and seal around window and door frames. It can also be used for jambs, mud sills, header joints, corner joints, top plate penetrations, electrical and plumbing penetrations, and other areas where air infiltration or heat loss may occur. Bonds most building materials including vinyl, aluminum, fiberglass, wood, OSB, PVC, concrete, and metal.

LIMITATIONS

- Not for use as a "firestop" product and should not be used in hourly fire rated assemblies that require fire stop products
- Despite significantly higher UV resistance, it is still recommended to protect the foam from UV radiation. Exposed foam should be coated with a protective covering or coating
- Do not store product on its side
- Does not bond polyethylene, polytetrafluoroethylene (PTFE)/Teflon® or siliconized surfaces
- For cold weather application, product should be stored at room temperature at least 12 hours before application
- Certain materials such as rubbers and plastics may have bonding difficulties. Test before use
- Flexible sheet goods

COVERAGE

A 21.1 fl. oz. (598 g) can will extrude a ½" bead approximately 611 ft. (41.1 m)

Note: Yields shown are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application conditions and particular application

TECHNICAL DATA

| Typical Uncured Physical Properties | | Typical Application Properties | |
|-------------------------------------|---|---------------------------------|---|
| <u>Color:</u> | Pale Yellow | <u>Application Temperature:</u> | Ambient conditions should be between 14°F (-10°C) and 95°F (35°C). Product temperature should be between 41°F (5°C) and 86°F (30°C). |
| <u>Appearance:</u> | Polymer Foam | <u>Odor:</u> | Slight ether |
| <u>Base:</u> | Single component polyurethane | <u>Tack-Free Time:</u> | 10 minutes* at 73°F (23°C) and 50% relative humidity |
| <u>Flash Point:</u> | -155.2°F (-104°C) | <u>Cut Time:</u> | 10 minutes* |
| <u>Specific Gravity:</u> | 1.107 | <u>Cure Time:</u> | 12 – 24 hours* |
| <u>VOC Content:</u> | 15.9% by weight CARB 167 g/l SCAQMD rule 1168 | <u>Clean Up:</u> | Clean up uncured foam residue with acetone. Scrape away cured sealant using a sharp-edged tool. Follow solvent manufacturer's precautions for using solvents. |
| <u>Shelf Life:</u> | 18 months from date of manufacture (unopened) | <u>Lot Code Explanation:</u> | MM/DD/YYYY (bottom of cannister) MM = month of manufacture DD = day of manufacture YYYY = year of manufacture Example: 10/31/2022 = October 31, 2022, is the manufacture date |

*Time is dependent upon temperature, humidity, and depth of sealant applied.

Typical Cured Performance Properties

| | | | |
|--------------------------|----------------|-----------------------------|-------------------------------|
| <u>Color:</u> | Pale Yellow | <u>Sandable:</u> | Yes |
| <u>Cured form:</u> | Flexible solid | <u>Paintable:</u> | Yes |
| <u>Water Resistance:</u> | Yes | <u>Service Temperature:</u> | -40°F (-40°C) to 194°F (90°C) |

Specifications:

- Pressure build-up: 0.2471 (AAMA 812)
- Conforms to AAMA 812-19

Conforms to ASTM E2112 Standard Practice for Installation of Exterior Windows, Doors, and Skylights, Annex A1, Type A - Low Pressure Foam Sealant

Conforms to ASTM E283-19 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.



Surface Burning Characteristics

| | | |
|-----------------------|--|--|
| Flame Spread: | 5 | Fire Rating – ASTM E84 / UL 723 |
| Smoke Development: | 0 | Tested as 2 beads applied at ½" thickness, 8" O.C. covering 5.5% of the exposed test sample area |
| ASTM E84 / UL 723 | UL Classified File #R40832 | |
| ASTM E 814 (modified) | Alternative for maintaining the integrity of penetrations of fire-blocking – Type V-A, 1-hour fire resistance rated construction only. File Number – R39255. | |

DIRECTIONS

Tools Typically Required:

Utility knife, painter's tape, or foil for protecting surfaces.

Safety Precautions:

Always wear eye protection, gloves and proper work clothes when using Loctite Pro Window & Door Foam. Protect surrounding work area from accidental foam overspray. Cured foam is difficult to remove from skin, clothing, and other substrates. May discolor skin. When transporting cans by passenger car leave the container wrapped in a cloth in the trunk, never in the passenger compartment. Maximum temperature should not exceed 120°F.

Surface Preparation:

Ensure all surfaces are clean and free from dirt, dust, oil, and other contaminants likely to impair adhesion. Surfaces can be moist but not frosted or iced. Cover surfaces not intended to be foamed. To ensure full and even curing of the foam on porous substrates (i.e., brickwork, concrete), moisturize surfaces with water spray before application.

General Preparation:

The temperature of the working area should be between 14°F (-10°C) and 95°F (35°C). The temperature of the product should be between 41°F (5°C) and 86°F (30°C). When working in cold conditions, can should be stored at room temperature for at least 12 hours before use. Shake can vigorously before use, approximately 1 minute. Screw applicator onto foam gun coupling unit until it will go no further. Do not overtighten. Adjust bead size with gun regulator screw.

Application:

Holding can upside down, squeeze trigger to dispense foam. Perimeter seal around windows, doors, and rough openings. Dispense the foam sparingly, filling the gap initially by 30% to avoid excessive overflows. Shake can regularly during use. Slight misting with water can speed cure. If necessary, foam can be trimmed with a knife after 10 minutes. Foam will be fully cured in approximately 12 – 24 hours. It is recommended foam be protected from UV radiation by a protective covering or coating, such as paint, plaster, mortar, etc. to avoid discoloration.

Note: If Pro Window & Door Foam will not be in use for more than 30 minutes, close gun regulator screw completely to secure trigger. When containers are empty, vent off any excess pressure and replace with a fresh can immediately to prevent foam from hardening in the gun.

Note: The structure of the sealant in larger joints will be compromised when curing conditions are at the extremes, such as in direct sunlight, very low humidity, or at the low or high end of the application temperature range. To get the best foam structure and properties, it is recommended to fill gaps and joints in several layers by the application of smaller foam strings (up to 1-inch thickness). At very dry conditions, the foam may be brittle after hardening. This brittleness is a temporary effect and disappears after a while or by warming up.

Clean-up:

Clean tools and uncured foam residue immediately with acetone. Cured foam must be carefully cut away with a sharp-edged tool.

STORAGE & DISPOSAL

Product must be stored vertically, not horizontally on its side.

Note: When storing foam dispensing applicators with foam cans attached, be sure to store with the can valve pointing downwards. Storing the can upright may cause propellant to leak from the foam applicator and become inoperative.

Store in a cool, dry place for maximum performance and shelf life. Do not store below -4°F (-20°C). Below this temperature the product valve may spontaneously open, resulting in leakage. Product may be stored for a maximum of 1 week at -4°F (-20°C). For extended storage periods (longer than 1 week), store between 41°F and 77°F (5°C and 25°C).

Containers are under pressure. Do not expose to open flame or temperatures above 120°F (49°C). Do not store under direct sunlight. Excessive heat can cause bursting and premature aging of components resulting in shorter shelf life. When containers are empty, vent off any excess pressure. DO NOT discard empty can in garbage compactor. DO NOT incinerate. DO NOT puncture, cut, or weld container.

If the container is free of propellant, this product is not regulated as hazardous waste per 40 CFR 261.20-24

Recommended method of disposal for unused product: Vent off excess pressure and dispose of in an appropriate waste receptacle. Dispose of according to federal, state, and local governmental regulations.

It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc. may render the resulting material hazardous under the criteria of ignitability, corrosivity, reactivity, and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24

LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. VAPOR MAY CAUSE FLASH FIRE. VAPOR AND SPRAY MIST HARMFUL, OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. CONTENTS UNDER PRESSURE.

DANGER! Contains polyurethane prepolymer, methylenediphenyldiisocyanate, dimethylether and hydrocarbon propellant mixture. Do not use near sparks, heat, or open flame. Vapors will accumulate readily and may ignite explosively. Ventilate area during use and until all vapors are gone. **DO NOT SMOKE WHILE USING.** Extinguish all ignition sources. If burned, dried foam may release hazardous decomposition products. Dried foam may be combustible if exposed to flame or temperatures above 240°F. Avoid prolonged exposure to sunlight or heat from radiators, stoves, hot water, and other sources of heat that may cause bursting. Do not puncture, incinerate, burn, or store above 120°F. Do not discard empty can in garbage compactor. Gives off harmful vapor of solvents and isocyanates. Do not use if you have chronic lung or breathing problems, or if you have ever had a reaction to isocyanates. Use with adequate ventilation. Use appropriate respiratory protection when potential to exceed exposure limits exists. If you have breathing problems during use, leave the area and get fresh air. If symptoms develop or persist, call a doctor or obtain medical treatment; have this label with you. **EYE AND SKIN IRRITANT.** Avoid contact with eyes and skin. Prolonged or repeated skin contact may lead to sensitization and dermatitis. Wash hands after using. Do not swallow. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

FIRST AID: For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wipe off excess uncured foam with a clean rag or paper towel immediately. Get medical attention if irritation develops and persists. If affected by inhalation, remove to fresh air and contact a physician. If swallowed, do not induce vomiting. Call a physician or Poison Control Center immediately. **KEEP OUT OF REACH OF CHILDREN.**



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

Refer to the Material Safety Data Sheet (MSDS) 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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