



TECHNICAL DATA SHEET



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DESCRIPTION:

OSI® GreenSeries™ Pro-Foam II™ Minimally Expanding Sealant is a one-part, moisture cure polyurethane foam in a 29 oz. pressurized container. It is specially designed to be dispensed in bead form for filling gaps, cracks and holes in most types of construction projects to stop energy draining drafts and sound transmission. The closed-cell, energy saving foam insulates with an R-5 factor per inch of foam with slight to minimal expansion. Pro-Foam II™ adheres to all types of wood, metal, concrete, brick, glass, drywall, most plastics and other building materials.

RECOMMENDED APPLICATIONS:

OSI® GreenSeries™ Pro-Foam II™ is used to insulate and fill around windows, door frame joints, jambs, mud sills, header and corner joints, top plate penetrations, exterior and T-joints, electrical and plumbing penetrations, and other areas where air infiltrates or heat loss can occur.

Ideal for adhering and joining insulation panels, and when used with Pro-Series® Pro Gun II, may be used in place of conventional adhesives for adhering drywall to wood framing.

Also works well as an effective acoustical sealant for reducing sound transmissions and maintaining specified STC values in most wall partitions.

LIMITATIONS:

- In cold weather applications, containers should be kept at 65°F (18°C) for maximum performance. Product temperatures below 55°F (13°C) will experience slow extrusion rates
- Pro-Foam II™ is not a fire stopping material and should not be used in areas that require fire proof or fire stop materials
- Pro-Foam II™ will not adhere to polyethylene (PE), PTFE, oils, greases, mold release agents and similar materials
- Pro-Foam II™ should not be left exposed but should be covered with at least ½" cement plaster or fire-rated gypsum board or an equivalent barrier that will provide a finished fire rating of 15 minutes or more.
- Pro-Foam II™ should not be used in contact with chimneys, heater vents, steam pipes or other areas which could be subject to surface temperatures greater than 200°F.
- Avoid doing hot work or flame cutting around urethane foams. If necessary, follow the recommended industrial procedures.
- Pro-Foam II™ should be protected against UV light (i.e. sunlight) by painting or staining to prevent long term discoloration or degradation.

FEATURES & BENEFITS:

Feature	Benefits
Environmentally Conscious Product.....	GreenGuard® certified, Ultra-low VOC content
Slight / Moderate Expansion.....	Minimally expanding foam aids in filling any gaps or cracks to eliminate drafts and sound transmission
High insulating qualities.....	Insulates with an R-5 factor per inch of foam with slight to minimal expansion
Quick setting formula.....	Foam sets and can be cut away in less than one hour



Item #	Package	Size
1183480	Aerosol Can	29 oz. (822 g)

COVERAGE:

A ¼" (6.3 mm) bead size will deliver approximately 5315 ft. (1619 m) of foam.
A 3/8" (9.6 mm) bead size will deliver approximately 2361 ft. (720 m) of foam.
A ½" (12.7 mm) bead size will deliver approximately 1328 ft. (405 m) of foam.

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

DIRECTIONS:

Tools Typically Required:

Pro-Gun dispensing applicator and utility knife.

Safety Precautions:

Wear safety goggles and gloves. Propellant is extremely flammable. Ensure that sufficient cross-ventilation is provided in order to remove any buildup of vapors during application and cure.

Preparation:

The temperature of the sealant, the surfaces and the working area must be above 55°F (13°C). For maximum performance, store containers at 65°F (18°C) at least 24 hours before use. Ensure all surfaces are clean, dry, structurally sound and free of dirt, dust, oil, wax and other foreign materials. Protect work surfaces as cured foam is extremely difficult to remove. Perimeter seal all openings. Deep cavities only need to be filled 30% to achieve proper seal against air infiltration or energy loss. For filling cavities larger than 3" in diameter, dampen substrate to supplement the atmospheric humidity to obtain a consistent cure throughout the applied foam.

Application:

Using the Pro-Gun dispensing applicator, spray foam into area needing to be filled or surface to be bonded. Foam is tack-free in approximately 15 minutes and can be cut in less than 1 hour. Pro-Foam II™ cures in approximately 4 to 24 hours. Cure time is dependent upon temperature, humidity and amount of product used. If necessary, any excess cured foam can be trimmed away with a sharp knife or sanded. Cured foam exposed to sunlight must be covered with paint, sealant or solid colored stain.

Clean-up:

Clean tools and uncured adhesive residue immediately with OSI® Pro-Series® PC-12 Pro-Clean or with mineral spirits. Cured foam may be carefully cut away with a sharp-edged tool or sanded.

STORAGE AND DISPOSAL

Store in a cool, dry area. Do not expose to open flame or temperatures above 120°F (49°C). Excessive heat can cause premature aging of components resulting in a shorter shelf life. To dispose of empty containers, carefully vent off any excess pressure. Dispose of empty containers in compliance with all applicable household waste regulations.

LABEL PRECAUTIONS

DANGER! Contains diphenylmethanediisocyanate, polymeric MDI and hydrocarbon propellant. **EXTREMELY FLAMMABLE.** 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.** Extinguish all ignitions sources. If burned, dried foam releases hazardous decomposition products. Dried foam is combustible. **CONTENTS UNDER PRESSURE.** Avoid prolonged exposure to sunlight or heat from radiators, stoves, hot water and other heat sources that may cause bursting. Do not puncture, incinerate, burn or store about 120°F. Do not discard empty can in garbage compactor. **VAPOR AND SPRAY MIST HARMFUL.** 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 only with adequate ventilation. Where overspray is present, wear appropriate respiratory protection. If breathing problems occur during use, leave the area and get fresh air. If symptoms develop or persist, call a doctor or obtain emergency medical treatment. **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 take internally. 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 or persists. For skin contact, wipe off excess uncured foam with clean rag or paper towel immediately. Get medical attention if irritation develops or 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. If used in an OSHA regulated workplace, refer to MSDS for more safety and health information. **KEEP OUT OF REACH OF CHILDREN.**

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. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. 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.

TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<u>Color:</u> Off-white	<u>Application Temperature:</u> 55°F (13°C) to 90°F (32°C)
<u>Appearance:</u> Minimally expanding foam	<u>Tack-Free Time:</u> 10 to 15 minutes @ 70°F (24°C) and 50% RH
<u>Base:</u> One-component polyurethane	<u>Cut Time:</u> < 1 hour
<u>Odor:</u> Mild	<u>Cure Time:</u> 4 to 24 hours @ 70°F (21°C) and 40% RH Cure time depends upon temperature, humidity, porosity of substrate and the depth of sealant used.
<u>VOC Content:</u> < 25% by weight (or 250 g/L)	
<u>Flammability:</u> Propellant is extremely flammable. Ensure that sufficient cross-ventilation is provided in order to remove any buildup of vapors during application and cure.	<u>Clean-Up:</u> For uncured product use Pro-Series® Pro Clean or other solvents For cured product: Sand or cut away using knife
<u>Expansion Characteristics:</u> ± 40% of dispensed volume (using Pro-Gun)	
<u>Shelf Life:</u> 18 months from date of manufacture	

Typical Cured Performance Properties

Color: Off-white

Service Temperature: -200°F (-129°C) to 240°F (116°C)

Surface Burning Characteristics:
 (UL 723, ASTM E 84, 12.5% of exposed test sample area)

Flame Spread:	15
Smoke Development:	50

Closed Cell Content: > 70%
 (ASTM D 2856)

Air Barrier Properties:
 (ASTM E 283)
 At 6.24 psf (300 Pa): < 0.01 cfm / ft² (0.05 L/s/m²)

Approvals / Standards:

- UL Classified – File # R11059 Caulking and Sealants
- ASTM E-84 (UL 723) U.B.C. Class I: Standard No. 42.1
- GreenGuard® Certified

Building Codes:

Complies with the following model building codes to help complement insulation programs:

- HUD Minimum Properties Standards (Sec. 507.6)
- B.O.C.A. Basic Energy Code 1977 (Sec. 301.4.3)
- I.C.B.O. Uniform Building Code (Sec. 5303 (e))
- A.S.H.R.A.E. Standard 90-75 (Sec. 45.4)

