



TECHNICAL DATA

PRO-FOAM II™
MINIMALLY EXPANDING SEALANT

OSI® GreenSeries™ Pro-Foam II™ Minimally Expanding Sealant is a one part, moisture cure polyurethane foam in a 33oz 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.

FEATURES

- Does not contain Formaldehyde
- Slight/Moderate Expansion
- Quick Setting Formula
- Meets LEED requirements
- Reduces Sound & Air transmissions
- Fast & Easy to use
- High Insulating qualities
- Insect/Rodent resistant

USES

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

PHYSICAL PROPERTIES

Type	One-component polyurethane foam
Color	Off-white
R-Factor	5 per inch (aged) @ 75°F (24°C)
Toxicity	Toxic only if swallowed uncured
Cure Time	< 1 Hour
Cure Time	4 – 24 hours @ 75°F (24°C), 50% RH
Tack Free Time	10-15 minutes @ 70°F (21°C), 40% RH
Tensile Strength	15 p.s.i. (ASTM D-1623)
Compression Strength	
Parallel @ 10%	10 – 14 p.s.i. (ASTM D-1621)
Closed Cell Content	>70% (ASTM D-2856)
Water Vapor Transmission	5.97 perms (ASTM E-96)
Heat Resistance	+200°F. (+93°C)
Cold Resistance	-200°F. (-129°C)
VOC Level	0 g/l
Expansion Characteristics	+/- 40% of dispensed volume w/ Pro Gun
Flame Spread**	20 (UL 723, ASTM E-84)
Smoke Density	70 (UL 723, ASTM E-84)
Flammability	This product is organic and therefore flammable and may constitute a fire hazard if improperly used or installed. It should not be left exposed or inadequately protected. It is strongly recommended that in all applications the foam be protected by plaster, drywall, cement or other approved facings.

Clean-up

Pro Series® Pro Clean or other solvents prior to curing. Cured foam cannot be removed except by abrasion or other mechanical means.

** When references are made to flame spread ratings, these numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. NOTE: Physical Properties shown are typical and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions and may vary upon use, temperature and ambient conditions. Right to change physical properties as a result of technical progress is reserved.

CONTENTS: 4, 4' – Dihenylmethane Diisocyanate (MDI: CAS #101-68-8), Higher Oligomers of MDI (CAS #9016-87-9), Polyol (CAS #25791-96-2), 2,2; 2, 4 Diphenylmethane Diisocyanate (CAS #26447-40-5), Hydrofluoroalkane (one or more of the following: CAS #75-45-6, CAS #75-68-3, CAS #1717-00-6, CAS #306-83-2, CAS #75-71-8).

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.

SPECIFICATIONS

- UL Classified – file #R11059 caulking and sealants ASTM E-84 (UL 723) U.B.C. Class I: Standard No. 42.1
- Complies with the following model building codes to help complement insulation programs:
- HUD Minimum Properties Stds. (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)
- SCAQMD Rule 1168 V.O.C.; CARB; and BAAQMD compliant
- Meets LEEDS requirements

LIMITATIONS

1. 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.
2. Pro-Foam II™ is not a fire stopping material and **should not** be used in areas that require fire proof or fire stop materials.
3. Pro-Foam II™ will not adhere to polyethylene, PTFE, oils, greases, mold release agents and similar materials.
4. Containers are date coded. No returns after expiration date. Shelf life: 9 months from date of manufacture.

PACKAGING

33oz. Can – 9 per case
(Item No. GS99910)

STORAGE

Store in cool, dry location preferably at room temperature, and not less than 65° F (18C) or greater than 90° F (32°C) for maximum performance and shelf life. Containers are under pressure. Do Not expose to open flame or temperatures above 120°F (49°C). Excessive heat can cause premature aging of components resulting in shorter shelf life.

NOTE: When storing Foam Dispensing Applicators with foam cans attached, be sure to store the tool with the can valve pointing downwards. Storing the can up-right may cause propellant to leak and the foam applicator to become inoperative.

COVERAGE

3/8" - 1/2" bead size: 1100 lin. ft. *

*Yield shown are optimum and will vary slightly depending on ambient conditions, the particular application, the dispensing method, or the user's ability.

APPLICATION PROCEDURES

- Safety first. Always wear gloves, goggles and proper work clothes.
- Read all operating instructions before using
- All surfaces must be free of dust, dirt, oil and other foreign materials.
- For best performance, containers should be kept at 65°F to 90°F and relative humidity sufficient to cure foam.

DIRECTIONS

1. Cover surfaces not intended to be foamed as cured foam is difficult to remove.
2. Perimeter seal all openings. Deep cavities only need to be filled 30% to affect proper seal against air infiltration or energy losses. Foam is tack free in approximately 30 minutes and cured in 4 – 24 hours.
3. If necessary, cured foam can be trimmed with a sharp knife or sanded.
4. Cured foam exposed to sunlight must be covered with paint, sealant or solid colored stain.
5. When containers are empty, vent off any excess pressure carefully and dispose of in appropriate waste container. **DO NOT** incinerate.
6. Use OSI® Pro Series® Pro Clean™ to clean up spills and tools before foam cures. Note: Cured foam is not affected by solvents and is difficult to remove.

ADDITIONAL INFORMATION

In many areas there are applicable building code(s) which may cover the use of cellular plastics or urethane foam either generally or specifically as exposed, interior, or finishing material. Under certain of these codes, the use of our product may be restricted or prohibited.

Product must not be left exposed but should be covered with at least 1/2 inch cement, plaster or fire-rated gypsum board or an equivalent barrier providing a finished fire rating of 15 minutes or more. Urethane foam should not be used in contact with chimneys, heater vents, steam pipes or other areas which could be subject to surface temperatures exceeding 200°F. Avoid doing hot work or flame cutting around urethane foam. If necessary, follow the recommended industrial procedures.

Urethane foams are adversely affected by sunlight (ultraviolet light). For this reason as well as for fire safety, it is recommended that a protective coating be applied over the finished foam.

WARNING

Follow safety precautions and wear protective equipment as recommended. Use only with adequate ventilation or certified respiratory protection. Contents are very sticky and may be irritating to skin and eyes, therefore wear safety glasses, gloves and adequate clothing when using.

KEEP OUT OF REACH OF CHILDREN

FIRST AID

Eye Contact: In case of eye contact, immediately flush with clean water for at least 15 minutes and seek medical attention immediately. Skin Contact: Wipe off thoroughly using a dry cloth. Wash with soap and water. Apply hand lotion if desired. Ingestion: Seek immediate medical attention. Take instructions to physicians for chemical identification. Persons with chronic respiratory disease, asthma or bronchial medical history, or history of presence of allergic disease should not work with these materials.

Consult Material Safety Data Sheet (MSDS) for more information.

NOTICE TO PURCHASER

Henkel Corporation warrants this product when used according to directions. If not satisfied with the product's performance when used as directed, return sales receipt and used container to Henkel Corporation, 32150 Just Imagine Drive, Avon OH, 44011 for product replacement or refund. User shall determine suitability of product for use and assumes all risk.

In the event of any claim, notification must be sent in writing to Henkel Corporation within 30 days of occurrence.

OPTIONAL ACCESSORIES

OSI® Pro Series® PG-915 Pro Gun II (91500) Precision high quality dispensing applicator.

OSI® Pro Series® PG-915P Pro Gun I (91501) Precision plastic dispensing applicator.

A Pro Gun is a require when using Greenseries™ Pro-Foam II™ Sealant.

QUESTIONS?

For commercial use or other questions pertaining to this product, call Henkel Technical Service at 800-321-0253, M-F, 9am – 4pm.or visit our website at www.greenseries.com.

OSI® GreenSeries™ Pro-Foam II™ Minimally Expanding Sealant is currently under going tested by GREENGUARD. The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.



Henkel Corporation
Professional and Consumer Adhesives
32150 Just Imagine Drive
Avon, OH 44011
U.S.A.

Phone: (440) 937-7000
Fax: (440) 937-7092