



FOAMGLAS®

PITTSEAL® 444N^s SEALANT



Description and Area of Application

PITTSEAL® 444N^s sealant is a specially formulated non-curing butyl sealant used for sealing joints in FOAMGLAS® insulation systems and to seal protrusions and metal jacket laps. It is compatible with a wide variety of coatings.

Type of Delivery and Storage

- 304 ml (10.3 fl oz) cartridges; 30 cartridges per carton
- 19 L (5 gal) pails
- Store original unopened containers in a cool, dry area.
- Protect unopened containers from water, heat, and direct sunlight.
- Consult Safety Data Sheet for additional storage and handling information.

Coverage

Standard application of adhesive to FOAMGLAS® insulation:

- 304 ml (10.3 fl oz) cartridge:
1,000 cm² x 3 mm (148 in² x 1/8 inch) film
- 304 ml (10.3 fl oz) cartridge:
Will produce a bead ~ 7.5 m (~ 24.6 ft) in length and ~ 6.4 mm (~ 1/4 inch) in diameter
- 9 L (5 gal) pail: 6.25 m² x 3 mm (63.8 ft² x 1/8 inch) film

Field Application

Always read and understand the information contained within product data sheets and safety data sheets before attempting to use this product. If you have questions regarding fitness of use of this product for an application, consult Owens Corning.

Substrate Preparation

All surfaces should be dry and free of dust, loose scale, oil, grease, and frost. Blocks or joints should be rubbed to obtain a good fit before application of the sealant.

Environmental Considerations

Facilitate application at low temperature by keeping containers in a heated location, or loosen lid and warm by indirect heat. DO NOT heat containers with flame or direct heat.

Cellular Glass Application Guidelines

DO NOT thin. Apply with trowel, knife, or caulking gun. Apply sufficient material to both surfaces, and press surfaces together firmly to obtain a complete seal.

Joints less than or equal to 3 mm (1/8 inch) are desirable. DO NOT use this or any other sealant to fill large voids from poor-fitting insulation.

If a coating is to be applied, excess sealant should be removed flush with the surface.

When sealing the laps of metal jacketing, maintain a minimum thickness of 1.5 mm (1/16 inch).

Cleanup and Disposal

Dispose of excessive sealant and containers in accordance with local, state, and federal regulations.

Limitations

- DO NOT use in applications where solvent odor could affect food taste or flavor.
- May pick up dust when exposed.
- Solvent may attack some organic foams.
- Product should not be exposed to UV light.
- DO NOT use in areas subject to continuous immersion.

Typical Properties

PROPERTY ¹	TEST METHOD	SI	ENGLISH
Color			Dark Gray
Density		1.40 ± 0.05 kg/L	11.68 ± 0.45 lb/gal
Solids Content, Volume			93%
Flash Point ²		149°C	300°F
Application Temperature			
Material		25 ± 15°C	77 ± 27°F
Surface, Minimum		4°C	40°F
Surface, Maximum		38°C	100°F
Service Temperature ²			
Maximum, Intermittent		122°C	250°F
Maximum, Continuous		82°C	180°F
Minimum		-150°C	-238°F
Volatile Organic Compound (VOC) Maximum Less Water and Exempt ³		80 g/L	0.67 lbs/gal
Water Vapor Permeability ⁴	ASTM E96 (Wet Cup)	0.00 ng/Pa·s·m	0.00 perm-in

1 Properties subject to change. Consult Owens Corning.

2 Service temperature limits are derived from laboratory evaluation of the product. Variations in substrates, loading conditions, or other external factors may further limit service temperature. Always consult FOAMGLAS® Insulation System Specification for suitability for use recommendations for a specific application.

3 Sealant is certified to meet the general requirements for VOC emissions of LEED IEQc4.1 2009 and SCAQMD Rule 1168, October 6, 2017, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168.

4 Tested in a joint with FOAMGLAS® cellular insulation. Sealant is certified to meet stainless steel service requirements of MIL-I-24244, ASTM C795, and NRC Regulatory Guide 1.36.

For additional information on FOAMGLAS® Insulation Systems, please contact Owens Corning or visit us at www.foamglas.com.

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Industrial & Commercial Sales

Americas

+1 800 327 6126

Asia-Pacific

Singapore: +65 9635 9184

China: +86 (0) 21 6101 7179

Japan: +81 3 6365 4307

Europe, Middle East & Africa

+32 13 661 721

Technical Services

Americas & Asia-Pacific

+1 800 327 6126

foamglastechnical@owenscorning.com

Europe, Middle East & Africa

+32 13 611 468

industry.tech@owenscorning.com



FOAMGLAS®

PITTSBURGH CORNING, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA

Toll Free + 1 800 327 6126

For web-based Sales and Technical Service inquiries, please visit www.foamglas.com.