

PITTSEAL® 444N SEALANT PRODUCT DATA SHEET

FOAMGLAS
Industry

IMPORTANT: MATERIAL SAFETY DATA SHEETS ARE AVAILABLE AND SHOULD BE READ BEFORE USING THIS PRODUCT.

DESCRIPTION:

PITTSEAL® 444N sealant is a specially formulated butyl sealant used for sealing joints in FOAMGLAS® insulation systems, and to seal protrusions and metal jacket laps.

This single component sealant is certified to meet stainless steel service requirements of MIL-I-24244 and NRC Regulatory Guide 1.36.

PITTSEAL® 444N sealant is compatible with a wide variety of coatings.

USES:

- Joint sealant in FOAMGLAS® insulation pipe covering and between insulation blocks.
- Bedding compound behind FOAMGLAS® insulation.
- Anti-Abrasive cushion in vibrating systems.
- Seal protrusions and metal jacket laps.

*TYPICAL PROPERTIES:

PROPERTY	
Color:	Grey
Weight: kg/liter (lbs/gal):	1.6 (13.0)
Solids, Vol. %:	90
Solvent:	Mineral Spirits
**Flame Spread, ASTM E84	5
Smoke Development	5
Application Temp: °C (°F)	4 to 38 (40 to 100)
***Service Temp: °C (°F)	-56.6 to 82 -70 to 180
Intermittent to: °C (°F)	122 (250)
Permeability, ASTM E96: ng/Pa•s•m (perm in)	0.012 (0.008)
Coverage:	0.33 m ² /l = 3 mm (12.8 ft ² /gal = 1/8 in film)
(smooth surface)	0.67 m ² /l = 1.5 mm film (25.6 ft ² /gal = 1/16 in) 6.7 m/l = 5 cm X 3 mm joint (77 ft/gal = 2 in x 1/8 in)
Volatile Organic Content: (VOC)	98 g/l (0.82 lbs/gal) [Complies with SCAQMD VOC limits specified in Table 1 of USGBC LEED® for New Construction & Major Renovation v2.2 (IEQ Credit 4.1) for sealants]

*Typical properties at time of printing, subject to change

**Tested with FOAMGLAS® insulation under application conditions.

***At sealant location.

APPLICATION:

DO NOT THIN. Apply with trowel, knife or caulking gun. All surfaces should be dry and free of dust, loose scale, oil, grease and frost. 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 in) are desirable. Do not use this or any other sealant to fill large voids from poor fitting. Blocks or joints should be rubbed to obtain good fit before application of sealant. If a coating is to be applied, cut off any squeezed-out sealant flush with surface. When sealing laps of metal jacketing, maintain a 1.5 mm (1/16 in) minimum thickness. Allow to cure one week before placing in hot service.

PITTSEAL® 444N sealant works easily over the suggested application range. To facilitate application at low temperature, keep containers in a heated location or loosen lid and warm by indirect heat. DO NOT HEAT containers with flame or direct heat.

CLEAN-UP AND DISPOSAL:

Tools should be cleaned with mineral spirits. See Material Safety Data Sheet for proper disposal.

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.

ACCEPTANCE:

Chemically acceptable for USDA use in processing or storage areas for meat or poultry food products prepared under federal inspection.

PACKAGING:

296 ml (10 fl. oz.) cartridges (12/case)
19 liter (5 gallon) containers

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Pittsburgh Corning
800 Presque Isle Drive Pittsburgh, PA 15239-2799 USA
Toll Free: 800-545-5001
Phone: (724)327-6100 Fax: (724)387-3806
<http://www.foamglas.com/>

Pittsburgh Corning Europe S.A./ N.V. (EMEA
Headquarters)
Albertkade 1 3980 Tessenderlo Belgium
Phone: +32-13-611-415 Fax: +32-13-351-567

Pittsburgh Corning Asia / Pacific
(Asia Headquarters)
PARK LUXE HONGO 1001
29-4, HONGO 2-CHOME, BUNKYO-KU
TOKYO 113-0033 JAPAN
Telephone / Fax: 81-50-7554-0248