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PITTSEAL® 444N sealant
PRODUCT DATA SHEET

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:**

Color:	Grey
Wt/gallon (lbs):	13.0 (1.6 kg/liter)
Solids, Vol %:	90
Solvent:	Mineral Spirits
Flash Point (Cleveland), °F:	>400 (>204°C)
**Flame Spread, ASTM E84:	5
Smoke Development	5
Application Temperature (°F):	40 to 100 (4 to 38°C)
***Service Temperature (°F):	-70 to 180 (-56.6 to 82°C)
Intermittent to	250°F (121°C)
Permeability, ASTM E96:	0.008 perm in (0.013 perm cm)

Coverage:	12.8 ft ² /gal = 1/8" film (.33m ² /l = 3 mm)
(smooth surface)	25.6 ft ² /gal = 1/16" film 0.67 m ² /l = 1.5 mm 77 ft/gal = 2" x 1/8" joint (6.7 m/l = 5 cm X 3 mm)

*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 1/8" (3mm) 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 1/16" (1.5mm) 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:

10 fl. oz. cartridges (12/case)
 5 gallon containers



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CAUTION:

This material is intended to be used only with FOAMGLAS® insulation and in conformity with Pittsburgh Corning's standard instructions. Be sure you have read and understand all instructions and Material Safety Data Sheets before using. Material Safety Data Sheets should be considered part of this product data sheet.

WARNING:

THIS PRODUCT CONTAINS A MATERIAL THAT HAS BEEN CLASSIFIED AS PROBABLY CARCINOGENIC TO HUMANS BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS GROUP 2A.

INGREDIENTS:

	CAS #
Kayolin	1332-58-7
Calcium Carbonate	1317-65-3
Polybutene	9003-29-6
White Mineral Oil	8042-47-5
Talc	14807-96-6
Heavy Napnthenic Distillate	64742-52-5
Titanium Dioxide	13463-67-7
Mineral Spirits	64742-88-7
N-Tallow Trimethylenediamine Oleates	61791-53-5
Butyl Rubber	9010-85-9
Kerosene	8008-20-6
Crystalline Silica	14808-60-7

IRRITANT:

Repeated or prolonged contact may irritate skin, eyes and respiratory system. Wear gloves. When working overhead wear goggles. Use with adequate ventilation.

HARMFUL OR FATAL IF SWALLOWED

COMBUSTIBLE MIXTURE:

Contains up to 10% mineral spirits (CAS #64742-88-7). Keep away from open flame and ignition sources. Keep container closed when not in use. Store in areas for combustibles.

FIRE HAZARD CLASSIFICATION:

Health: 2 Fire: 1 Reactivity: 0

KEEP OUT OF REACH OF CHILDREN:

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