30-45N

Product Data Sheet

PROPERTIES

COLOR:
Gray – wet
Green/Gray – dried surface

APPLICATION CONSISTENCY:
Trowel or power extrusion

AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):
13.5 lbs. (1.62 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):
90% by volume (95% by weight)

COVERAGE RANGE:
Trowel: 12 to 25 sq. ft./gal. (0.29 to 0.61 m^2/l) 1/8 in. to 1/16 in. wet film thickness (3.2 mm to 1.6 mm)

DRYING TIME 73ºF (23ºC) 50% RH:
To Touch: Skins over in 24 hours
Full Set: 7 days

SERVICE TEMPERATURE LIMITS:
Temperature at coated surface.
-100ºF to 300ºF (-73ºC to 149ºC)

WATER VAPOR PERMEANCE:
ASTM F1249: 0.06 perms (0.04 metric perms) tested in 1/8" (3.2 mm) film at 100°F (38°C) and 90% RH

The water vapor transmission through 1 inch of impermeable insulation in 12 x 18 in. blocks with 1/8 in. joints of 30-45N is too small to measure.

WET FLAMMABILITY:
142ºF (61ºC)

COMBUSTIBILITY (DRY):
Combustible. Flame spread and fuel contribution negligible when used as sealant in 1/8 in. (3.2 mm) wide joints of incombustible insulation.

VOC Content: 85 g/l, less water and exempt solvents.

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FOSTER® FOAMSEAL™ 30-45N SEALANT

FOSTER® FOAMSEAL™ 30-45N Sealant is a gray, vapor barrier sealant designed for use with rigid thermal insulation including polystyrene foam. It remains malleable in joints and will not shrink or crack during repeated cycles of high and low temperatures.

FOAMSEAL™ 30-45N Sealant seals the joints of cellular glass, PIR, polystyrene and other insulations against the entrance of moisture. When used as a vapor stop bedding compound on iron or steel surfaces and as a joint sealant, 30-45N provides additional protection to the blocks of insulation. Damage to the insulation due to migration of moisture is minimized.

FOAMSEAL™ 30-45N Sealant is water and weather resistant and is often used as a sealant and flashing compound where structural parts must penetrate an insulation surface. It is also suggested for use to seal seams in metal jacketing.

FOAMSEAL™ 30-45N Sealant meets the requirements of:

- MAS Certified Green®
- California Dept. of Public Health Standard Method v1.2
- VOC Emissions and Content requirements to contribute to **LEED v4** EQ Credit: Low Emitting Materials – Paints and Coatings
- Collaborative for High Performance Schools EQ 7.1

LIMITATIONS
Store between 40°F (4°C) and 100°F (38°C).

Apply between 50°F (10°C) and 110°F (43°C).

Allow to cure one week before placing in heated service.

At temperatures above 200°F, the sealant may harden and become discolored while maintaining its seal.

Not suggested for use under solvent-based elastomeric mastics and coatings if minor surface discoloration and/or dirt pick-up would be objectionable. Discoloration can be minimized by allowing 24 to 48 hours cure time before top coating.

Make certain this product is completely dry and the area free from product odor if food is involved.

Will form a skin where exposed resulting in a greenish gray surface color on aging. Remove excess sealant from the surface of jacketing where the color change will be objectionable

H.B. Fuller Construction Products Inc.

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APPLICATION GUIDE
FOR
FOSTER® FOAMSEAL™ SEALANT
30-45N

MATERIAL PREPARATION
DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use.

APPLICATION
Apply by trowel, putty knife, power extrusion or bulk caulking gun. When sealing insulation joints, apply FOAMSEAL™ 30-45N sealant at 1/16- to 1/8-inch wet film thickness (1.6 to 3.2 mm) and press mating surfaces together firmly to squeeze out air bubbles and to obtain complete contact. When flashing, do not trowel out to feather edge, but maintain a minimum of 1/8-inch wet film thickness (3.2 mm) throughout the entire area of use. Use membrane as specified. For best results, allow to cure 24 – 48 hours before top coating with solvent-based elastomeric mastics or coatings.

Note: Pressurized piping made from copper and aluminum alloys may be susceptible to corrosion under insulation when moisture is present and in direct contact with many materials. When used as a joint sealant, direct contact between pressurized pipes made from these metals and the sealant should be prevented.

JOINT SEALANT FOR METAL JACKETING SYSTEMS
All joints of aluminum or stainless steel jacketing shall be weather sealed by applying a 1/8” (0.31 cm) bead of 30-45N sealant underneath the lap. Jacketing shall be firmly embedded and pulled up tight. All overflow of sealant shall be removed with solvents.

POWER EXTRUSION
FOAMSEAL™ 30-45N sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with oil-based sealants. Typical viscosity range: 0.5 – 1.0 million cps.

CLEAN UP
Clean tools and equipment with mineral spirits (flammable) or chlorinated solvent (non-flammable).

CUSTOMER SERVICE: (833) 849-3700

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

For professional use only. Keep out of reach of children.
Consult Safety Data Sheet and container label for further information.