



## PROPERTIES

**COLOR:**

Gray

**APPLICATION CONSISTENCY:**

Trowel or power extrusion

**AVERAGE WEIGHT / U.S. GALLON (ASTM D 1475):**

14.1 lbs. (1.69 kg/l)

**AVERAGE NON-VOLATILE:**

92% by volume (95% by weight)

**COVERAGE RANGE:**

Trowel:

12 to 25 sq. ft./gal.

(0.29 to 0.61 m<sup>2</sup>/l) 1/8 in. to 1/16 in. wet film thickness  
(3.2 mm to 1.6 mm)

**DRYING TIME 73°F (23°C) 50% RH:**

To Touch: Skins over in 24 hours

Full Set: 7 days

**SERVICE TEMPERATURE LIMITS:**

(Temperature at coated surface)

Minus 100°F to 300°F (-73°C to 149°C)

**WATER VAPOR PERMEANCE:**

ASTM F-1249, 0.06 perm (0.04 metric perm) tested  
in 1/8" (3.2mm) 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 (ASTM D 3278):**

142°F (61°C)

**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.

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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 flexible 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 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 requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 85 g/l, less water and exempt solvents.

**FOAMSEAL 30-45N Sealant** contains no asbestos, lead, mercury, or mercury compounds.

### 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.

Not suggested for use under solvent base 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.

# APPLICATION GUIDE 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 under insulation corrosion 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" (.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 base 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: 800-832-9002

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