30-45 Foamseal®

Colour
Grey

Application Consistency
Trowel, or power extrusion

Average Weight/ U.S. Gallon (ASTM D 1475)
12 lbs (1.45 kg/l)

Average Non-Volatile (ASTM D 2369)
98% by volume (99% by weight)

Coverage Range (FSTM 72)
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 (1.6 mm to 3.2 mm)

Drying Time
73°F (23°C) 50% RH (ASTM D 1640)
Touch: 24 hours
Full Set: 7 days

Service Temperature Limits (FSTM 70)
(Temperature at coated surface)
Minus 100°F to 300°F (-73°C to 149°C) Temperature limits apply for horizontal joints.

Water Vapour Permeability (ASTM E 96)
0.008 perm-inch (0.013 metric perm-cm). The water vapour transmission through 1 inch of impermeable insulation in 12 in. X 18 in. blocks with 1/8 in. joints of 30-45 is too small to measure.

Wet Flammability (ASTM D 3278)
No flash to boiling, 200°F (93°C)

Combustibility (dry) (FSTM 44)
Combustible. Flame spread and fuel contribution negligible when used as sealant in 1/8 in. (3.2 mm) wide joints of incombustible insulation.

Foster Foamseal Sealant is a grey vapour barrier sealant designed for use with rigid thermal insulation including polystyrene foam. It remains flexible and tough in joints and will not shrink or crack during repeated cycles of high and low temperatures.
Foamseal Sealant seals the joints of cellular glass and other insulations against the entrance of moisture. When used as a bedding compound and joint sealant, 30-45 provides additional protection to the blocks of insulation and protects metal equipment against corrosion. Damage to the insulation due to migration of moisture is minimized.
Foamseal Sealant is water and weather resistant and is often used as a sealant and flashing compound where structural parts must penetrate an insulation surface.
Foamseal 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 and 110°F (10°C and 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 discolouration and/ or dirt pick-up would be objectionable.

Decolourization 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 odour if food is involved.

FSTM: Foster Standard Test Method

FOSTER FOAMSEAL® SEALANT 30-45

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 caulking gun. When sealing insulation joints apply Foamseal 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.

Power Extrusion
Foamseal 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).

For industrial use only.
This data sheet is based on specifications, data and test results available to us at the time of publication.
In the course of time changes herein may (have) take(n) place. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published* shelf life.

* If not applicable, within 6 months from date of supply.