

### PROPERTIES

**COLOR:**

Aluminum

**APPLICATION CONSISTENCY:**

Trowel, caulking gun or power extrusion equipment

**AVERAGE WEIGHT/U.S. GALLON (ASTM D1475):**

9.3 lbs. (1.12 kg/l) – Pail

9.5 lbs. (1.14 kg/l) – Cartridge

**AVERAGE NON-VOLATILE (ASTM D2369):**

52 to 58% by volume (65% by weight) – Pail

59 to 62% by volume (72% by weight) – Cartridge

**COVERAGE RANGE:**

Trowel: 12 to 25 sq. ft./gal. (0.29 to 0.61 m<sup>2</sup>/l)

1/8 to 1/16 in. (3.2 to 1.6 mm) wet film thickness

Cartridge gun: 125 linear ft. per 10.5 fluid oz. tube,

1/8 in. bead. (38 m per 0.31 l tube, 3.2 mm bead)

30 linear ft. per 10.5 fluid oz. tube, 1/4 in. bead

(9 m per 0.31 l tube, 6.4 mm bead)

**DRYING TIME:**

To Touch: 1/2 Hour

Through: 72 Hours

**SERVICE TEMPERATURE LIMITS:**

Temperature at coated surface.

Joint Sealant – Urethane Foam

-150°F to 200°F (-101°C to 93°C)

Joint Sealant – Cellular Glass

-100°F to 250°F (-73°C to 121°C)

Flashing Compound and Jacketing Laps (temperature at flashed surface)

-67°F to 250°F (-55°C to 121°C)

**WET FLAMMABILITY (ASTM D3278):**

Flash Point: 105°F (41°C)

**SURFACE BURNING CHARACTERISTICS (ASTM E84):**

Flame Spread: 15

Smoke Developed: 0

Tested at coverage rate of 25 sq. ft./gal. (0.61 m<sup>2</sup>/l) in 2 in. (5 cm) strip. Applied to 1/4 inch (6.4 mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

### FOSTER® ELASTOLAR® SEALANT

**FOSTER® ELASTOLAR® Sealant** is a fire-resistive, flexible, butyl elastomer-based, vapor barrier sealant. It is designed for sealing joints in insulation (except polystyrene foam), metal and masonry wherever maintenance of a water-tight and air-tight seal is required. It can be used as a joint sealant in low velocity duct air-conditioning systems. It is ideal for sealing the laps of metal jacketing to prevent the entrance of moisture.

**ELASTOLAR® Sealant** is a fast-drying, vapor barrier sealant that can be top coated with most solvent-based, flexible, light-colored coatings without danger of bleed through. It is weather resistant and may be used outdoors without top coating.

**ELASTOLAR® Sealant** is the preferred product for flashing projections and terminations where a complete moisture and vapor seal is required.

**WATER VAPOR PERMEANCE (TYPICAL AVERAGE):**

ASTM F1249: 0.02 perm (0.013 metric perm) at 0.080 in. (2.0 mm) dry film thickness. Tested at 100°F (38°C) and 90% RH

The water vapor transmission through 1 in. of impermeable insulation in 12 x 18 in. blocks with 1/8 in. joints of ELASTOLAR® sealant is too small to measure.

**ELASTOLAR® Sealant** may meet requirements for LEED 2009 IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants for some applications where the use falls under the 'Other' category. Refer to LEED guides for more information. VOC: 384 g/l, less water (336 g/l, less water cartridge grade)

**LIMITATIONS**

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

Always test plastic materials for compatibility when using a solvent-based product.

When used in exposed locations without top-coating, this product may darken or discolor due to surface dirt pick-up. This will not affect its performance.

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

Select Foster® 30-45N for joint sealing polystyrene foam insulations.

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H.B. Fuller Construction Products Inc.

# APPLICATION GUIDE FOR FOSTER® ELASTOLAR® SEALANT 95-44

## MATERIAL PREPARATION

DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

## APPLICATION

### JOINT SEALANT:

Apply by trowel, putty knife, caulking gun or power extrusion. When sealing insulation joints, apply ELASTOLAR® sealant to the edges of abutting sections at 1/16 in. to 1/8 in. (1.6 mm to 3.2 mm) wet film thickness and press mating surfaces together firmly to squeeze out air bubbles and to obtain complete contact. Strike off excess sealant on surface with a trowel.

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.

### FLASHING SEALANT:

Sealant shall be applied over the adjoining surfaces a minimum of 2" (50 mm) and flashed a minimum of 2" (50 mm) in each direction onto adjacent insulation (or mastic) surface. Apply a tack coat at 1/16" (1.6 mm) wet film. Embed reinforcing membrane (Mast-A-Fab® or 10 x 10 glass mesh) into compound. Apply a finish coat at 1/16" (1.6 mm) wet film. Total film thickness to be 1/8" (3.2 mm) wet, giving a 70 mil (1.8 mm) dry film. Allow sealant to dry a minimum of 8 hours before applying finish mastic over its surface. When flashing, do not trowel out to feather edge, but maintain a minimum of 1/8" (3.2 mm) wet film thickness throughout entire area of use. For best application, the material temperature should be 60°F (16°C) or higher.

### METAL JACKETING:

Apply a 0.25" (6 mm) bead of sealant underneath the lap. Jacketing shall be firmly embedded and pulled up tight and banded in place. All overflow of sealant shall be removed with solvents.

## CLEAN UP

Use solvent such as chlorinated solvent (non-flammable) or mineral spirits (flammable) for cleaning tools and equipment.

## DATA REPORTED FROM ASTM E84 FIRE TEST (TUNNEL TEST)

ADHESIVES H.B. Fuller Company	
<b>Surface Burning Characteristics (ASTM E84)</b> 1/4 inch (6.4 mm) Inorganic Reinforced Cement Board	
Surface Flame Spread:	15
Smoke Developed:	0
Number of Coats:	1
Tested as applied in a 2 in. wide strip at a coverage of 25 sq. ft./gal.	

## CUSTOMER SERVICE: (800) 832-9002

IMPORTANT: H.B. Fuller Construction Products Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

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.**