



## PROPERTIES

**COLOR:**  
Green

**APPLICATION CONSISTENCY:**  
Spray, brush, or roller

**AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):**  
6.2 lbs. (0.74 kg/l)

**AVERAGE NON-VOLATILE (ASTM D2369):**  
17 – 19% by volume (27 – 30% by weight)

**COVERAGE RANGE:**  
Subject to type of surface and nature of material being bonded.  
200 – 400 sq. ft. per gallon (4.9 – 9.8 m<sup>2</sup>/l)  
0.008 in. – 0.004 in. wet film thickness (0.2 – 0.1 mm)

**BOND TIME RANGE:**  
0 to 15 minutes

**SERVICE TEMPERATURE LIMITS:**  
Temperature at coated surface.  
-20°F to 200°F (-29°C to 93°C)

**WET FLAMMABILITY:**  
Flash point: -7°F (-22°C)

**SURFACE BURNING CHARACTERISTICS (ASTM E84):**  
Flame Spread: 10  
Smoke Developed: 25  
Tested at coverage rate of 200 sq. ft./gal. (4.9 m<sup>2</sup>/l).  
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® S.M. ADHESIVE



**FOSTER® S.M. ADHESIVE** is a low cost, quick-setting synthetic elastomer adhesive for use with fibrous glass insulation (up to 3 lbs./cu. ft.) duct wrap and acoustical linings for air handling ducts.

**S.M. ADHESIVE** is designed for use in applications where fibrous glass insulation is bonded to the interior or exterior of sheet metal air conditioning ducts.

**S.M. ADHESIVE** meets ASTM C916, Type IV (ASC-A-7001-A, Type IV) and NFPA 90A and 90B 25/50 requirements.

**S.M. ADHESIVE** is produced under the classification and follow-up service of Underwriter's Laboratories, Inc.

### LIMITATIONS

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

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

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

Not suggested for sealing vapor barrier jackets.

Allow to dry to a solvent-free condition before installing weld pins.

Overhead applications may require mechanical fasteners.

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# APPLICATION GUIDE FOR FOSTER® S.M. ADHESIVE 81-10™

## MATERIAL PREPARATION

DO NOT THIN. Stir well, but do not use sticks or boards, which would splinter or otherwise contaminate the product.

No need to prime aluminum or galvanized metal. Apply only to clean, dry surfaces. Keep container closed when not in use to prevent solvent evaporation.

## APPLICATION

### BRUSH:


Use a clean paintbrush. Uniformly, apply to metal surface at 200 – 400 sq. ft./gal. (4.9 – 9.8 m<sup>2</sup>/l). Press insulation into place, making sure complete contact is made with applied adhesive. Bond may be made within 0 to 15 minutes.

### SPRAY:

May be spray applied with conventional air atomizing equipment or airless spray equipment. For spray equipment information, please consult spray recommendations or contact your spray equipment supplier. Average viscosity range: 200 – 500 cps.

## CLEAN UP

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

	ADHESIVES	
	SURFACE BURNING CHARACTERISTICS 312U	
Applied to Inorganic Reinforced Cement Board		
Flame Spread:		10
Smoke Developed:		25
Tested as applied at a coverage rate of 200 sq. ft./gal.		
Flash point of liquid adhesive (closed cup) less than 30°F.		
		R5661

## CUSTOMER SERVICE: (800) 832-9002

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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.**