

## PROPERTIES

**COLOR:**  
Cream

**APPLICATION CONSISTENCY:**  
Brush, gob or notched trowel

**AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):**  
10.0 lbs. (1.20 kg/liter)

**AVERAGE NON-VOLATILE (ASTM D2369):**  
64% by weight

**COVERAGE RANGE:**  
Subject to type of surface and nature of material to be bonded. Depending on porosity and smoothness of the intended surface.  
50 – 200 sq. ft./gal. (1/32" – 1/16" notched trowel)

**BONDING TIME RANGE:**  
Depending upon temperature, humidity, and application rate.  
Single surface wet bond: 0 – 30 minutes  
Contact bond: 30 – 120 minutes

**SERVICE TEMPERATURE LIMITS:**  
Temperature at coated surface.  
-20°F to 200°F (-29°C to 60°C) applied at 50 – 100 sq. ft./gal. With cellular plastic insulations (polystyrene foam etc.), use the manufacturer's maximum service temperature.

**WET FLAMMABILITY:**  
No flash to boiling, >200°F

**SURFACE BURNING CHARACTERISTICS (ASTM E84):**  
Flame Spread: 0  
Smoke Developed: 0  
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.

**LIMITATIONS:**  
Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

Always test plastic foam insulation for warpage when using a water-based adhesive.

Overhead applications may require mechanical fasteners.

On rough or uneven surfaces, a thicker application of adhesive may be required in order to assure contact between insulation and substrate. Very rough surfaces should be back-plastered.

When used as a contact adhesive between impermeable materials, the adhesive must be allowed to dry on both surfaces before mating to avoid entrapment of water.

## FOSTER® MULTI-PURPOSE ADHESIVE



**FOSTER® MULTI-PURPOSE ADHESIVE** is a high tack, rapid-setting, water-based adhesive for bonding polystyrene foam insulations (extruded and beadboard), fibrous glass insulation and PIR/polyurethane board stock insulations to concrete, masonry, gypsum board and other porous substrates. It is also ideal for bonding fibrous insulations to painted or unpainted steel, galvanized or aluminum surfaces.

**FOSTER® MULTI-PURPOSE ADHESIVE** is a synthetic resin emulsion. The dry film remains flexible and resists moisture and humidity. It is non-flammable in the wet state. The adhesive has a smooth, mastic consistency and can be applied to either the insulation or the substrate. It goes on easily and cleanly using a wide variety of application equipment and methods.

**FOSTER® MULTI-PURPOSE ADHESIVE** may also be used to adhere polystyrene and PIR/polyurethane insulation to impermeable surfaces when used as a contact adhesive.

**FOSTER® MULTI-PURPOSE ADHESIVE 97-15** 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

VOC Content: <50 g/l, less water and exempt solvents.



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# APPLICATION GUIDE FOR FOSTER® MULTI-PURPOSE ADHESIVE 97-15

## MATERIAL PREPARATION

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

## APPLICATION

Apply FOSTER® MULTI-PURPOSE ADHESIVE to the selected surface uniformly. While still wet, press the insulation into place making sure that complete contact is made with applied adhesive. When one surface is porous, a wet bond application is suggested for best results.

When applying between two impermeable surfaces, apply the adhesive to both surfaces or apply to one surface, press insulation in place and then remove the freshly pressed board. Allow sufficient time for the water to evaporate from the adhesive (30 to 120 minutes) on both surfaces. Then reinstall and again firmly press the insulation board into the desired position.

## BRUSH

Use clean equipment suitable for water-based paints. Do not overwork.

## NOTCHED TROWEL

Use a 1/32" to 3/32" notched trowel depending on porosity and smoothness of the surface. Trowel with firm pressure leaving ridges of adhesive. Before the adhesive skins over, press insulation firmly into place to obtain complete contact.


When using as a contact adhesive, trowel the adhesive onto one surface using a 3/32" notched trowel. Immediately press the insulation and mating surface together to ensure complete transfer of adhesive to both surfaces, ensuring that adhesive ridges are flattened. Remove the insulation from the surface and allow adhesive to flash water (30 to 120 minutes), then press insulation back in place with firm pressure over the entire surface.

## AIRLESS SPRAY

Adhesive may be applied with conventional airless spray equipment. An inductor plate and ram are suggested to maintain adhesive flow into pump. Apply using a 0.017" to 0.025" tip depending on desired application rate.

## CLEAN UP

To clean up, use warm, soapy water if still wet. When dry, use mineral spirits (flammable) or chlorinated solvent (non-flammable).

	ADHESIVES	
	SURFACE BURNING CHARACTERISTICS	
Applied to Inorganic Reinforced Cement Board		
Flame spread:		0
Smoke developed:		0
Flash point of finished adhesive (closed cup):		No flash to boiling
Tested as applied at a coverage rate of 200 sq. ft./gal.		
312U		

## 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.**