



# FIRE RESISTIVE C.I. Mastic™

## 65-05

Product Data Sheet

### PROPERTIES

**COLOR:**

Black

**APPLICATION CONSISTENCY:**

Trowel

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

9.6 lbs. (1.15 kg/l)

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

69% by volume (79% by weight)

**COVERAGE RANGE:**

Subject to the type of surface being coated. Wet coverages shown below are for smooth, non-porous surfaces. Porous or rough surfaces will require higher gallonage to attain required dry thickness.

12 gallons per 100 sq. ft. minimum (4.9 l/m<sup>2</sup>) 0.192 in. wet film thickness (4.9 mm).

**DRYING TIME 73°F (23°C) 50% RH:**

Set to Touch: 6 Hours

Dry Through: 6 Days

**SERVICE TEMPERATURE LIMITS:**

Temperature at coated surface.

-40°F to 200°F (-40°C to 93°C)

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

ASTM F1249: 0.03 perms (0.02 metric perms) at 1/8 in. (3.2 mm) dry film thickness.

ASTM E96, PROCEDURE A: 0.017 perms (0.011 metric perms) at 115 mils (2.9 mm) dry film thickness.

FIRE RESISTIVE C.I. MASTIC™ meets the permeance requirements of ASTM C755-19 for below ambient vapor retarder coatings.

**WET FLAMMABILITY (ASTM D93):**

Flash Point: 106°F (40°C)

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

Flame Spread: 35

Tested at coverage rate of 9.2 sq. ft. per gal. (0.23 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® FIRE RESISTIVE C.I. MASTIC™

FOSTER® FIRE RESISTIVE C.I. MASTIC™ is a tough, durable, high solids, vapor retarder and weather barrier mastic for the protection of thermal insulation in outdoor service. Its excellent weather and fire resistance makes it suitable for use in place of conventional asphalt cutback mastic. It is an ideal surface coating for low temperature insulating applications where the insulation used is not affected by mild solvents.

FIRE RESISTIVE C.I. MASTIC™ may also be used on heated lines, vessels and equipment in intermittent or dual temperature service to prevent the entrance of water vapor into the insulation during off periods or on cold cycles. It is outdoor rated and UV resistant.

FIRE RESISTIVE C.I. MASTIC™ is produced under the classification and follow-up service of Underwriter's Laboratories, Inc.

**LIMITATIONS**

Always test foil and paper facings for acceptable adhesion before using.

Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/2" per foot (4 cm/m) is required.

FIRE RESISTIVE C.I. MASTIC™ may weather to a dark gray color.

Always test plastic materials for compatibility when using a solvent-based product. Do not use on polystyrene foam.

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# APPLICATION GUIDE FOR FOSTER® FIRE RESISTIVE C.I. MASTIC™ 65-05

## MATERIAL PREPARATION

DO NOT THIN. Stir well, but do not use sticks or boards, which would splinter or otherwise contaminate the product. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use. Foster® 65-05 cannot be successfully applied by brush or spray.

## APPLICATION

Proper and complete flashing is required. Follow flashing specifications. If a decorative coating is to be used over the FIRE RESISTIVE C.I. Mastic™, allow a minimum of 30 days drying time before application.

### OUTDOOR AND HEAVY DUTY SERVICE:

Prime dusty insulation or porous cements with 65-05 cut 50/50 with mineral spirits. Apply a tack coat of Foster® FIRE RESISTIVE C.I. Mastic™ at a thickness of 1/16 inch (1.6 mm). This is equivalent to 4 gallons per 100 square feet (1.6 l/m<sup>2</sup>). Embed Foster® MAST-A-FAB® White Membrane into wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least 2 inches (5 cm). Apply a finish coat of FIRE RESISTIVE C.I. Mastic™ at a minimum thickness of 1/8 inch (3.2 mm). This is equivalent to 8 gallons per 100 square feet (3.3 l/m<sup>2</sup>). This finish coat shall be applied no later than 1 hour after the tack coat and shall completely cover membrane. This application shall provide a minimum dry film thickness of 131 mils (3.3 mm).

### HEAVY DUTY APPLICATIONS – UP TO 50% GREATER TENSILE STRENGTH:

Apply as above, substituting CHIL-GLAS® #5 as the reinforcing membrane. Note that the membrane weave pattern will show through the dried mastic.

### TROWEL:

Use clean tools and equipment. Work in long, even strokes to ensure uniform thickness. Wet tools in mineral spirits (flammable) occasionally to prevent build-up of dried mastic.

## CLEAN UP

Clean tools and equipment with mineral spirits (flammable) or chlorinated solvent (non-flammable).

## INSPECTION

Where available, it is suggested to use a National Insulation Association (NIA) certified (or other similarly certified) mechanical insulation inspector throughout the project to inspect and verify the materials and total insulation system have been installed correctly in accordance with the specifications.

## CUSTOMER SERVICE: (800) 832-9002

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