



## 65-05/06 Foster Fire Resistive C.I. Mastic

**Colour**  
Black

**Application Consistency**  
65-05 Trowel  
65-06 Airless Spray

**Average Weight/ U.S. Gallon (ASTM D 1475)**  
9.6 lbs. (1.16 kg/l)

**Average Non-Volatile (ASTM D 2369)**  
70% by volume (80% by weight)

**Coverage (FSTM 72)**  
(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 volume to attain required dry thickness. 12 gallons per 100 sq. ft. minimum (4.9 l/m<sup>2</sup>). 192 in. wet film thickness (4.9 mm)

**Drying Time (ASTM D 1640)**  
Set to Touch: 6 hours  
Dry Through: 6 days

**Service Temperature Limits (FSTM 70)**  
(Temperature at coated surface) Minus 40°F to 200°F (-40°C to 93°C)

**Water Vapour Permeance**  
**(ASTM F 1249)** 0.03 perms at 1/8 in. dry film thickness (0.02 metric perms at 3.2 mm)

**(ASTM E 96)** Procedure A: 0.017 perms (0.011 metric perms) at 115 mils (2.9 mm) dry film thickness.

**Wet Flammability (ASTM D 3278)**  
Flash point 104°F (40°C)

**Surface Burning Characteristics (ASTM E 84)**  
Flame Spread: 35  
Tested at coverage rate of 9.2 sq. ft. per gal. (23 m<sup>2</sup>/l). Applied to ¼ 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** is a tough, durable, high solids vapour barrier and weather-coating 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 vapour into the insulation during off periods or on cold cycles.

**Fire Resistive C.I. Mastic** 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 foil and paper facings for acceptable adhesion before using.

Outdoor horizontal surfaces must always drain completely. A pitch of at least ½" per foot (4 cm/m) is required.

Fire Resistive C.I. Mastics may weather to a dark grey colour.

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

Do not use on polystyrene foam.

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**FSTM:** Foster Standard Test Method



## FOSTER FIRE RESISTIVE C.I. MASTIC 65-05 / 65-06

### 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.

### Application – Outdoor And Heavy Duty Service

(Prime dusty insulation on porous cements with Foster product 51-06.)

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<sup>®</sup> 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 122 mils (3.1 mm).

Proper 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.

### Trowel

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

### Spray

Fire Resistive C.I. Mastic 65-06 may be airless spray applied. For spray equipment information, please consult your spray equipment supplier. Average viscosity range 90,000 – 130,000 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.