



## 60-44 Foster Stackfas Mastic

### Colour

Black

### Application Consistency

60-44 – Airless Spray, trowel

### Weight per U.S. Gallon (ASTM D 1475)

4.54 kg (1.2 kg/l)

### Average Non-Volatile (ASTM D 1644)

70% by volume (76% by weight)

### Coverage Range (FSTM 72)

Steel or concrete surface

### Dry Thickness:

0.134 inch (3.3 mm)

### Equivalent Wet Coverage:

12 gal./100 sq. ft. (4.9 l/m<sup>2</sup>) on smooth, non-porous surfaces

### Drying Time (ASTM D 1640)

Set to Touch: 8 hours

Dry Through: 20 to 30 days

### Water Vapour Permeance (ASTM F 1249)

0.02 perm at 0.13 inch dry thickness (0.013 metric perm at 3.3 mm) - Depending on thickness of application and temperature

### Service Temperature Limits (FSTM 70)

(Temperature at coated surface)

Minus 10°F to 350°F (-23°C to 177°C)

### Wet Flammability (ASTM D 3278)

Flash Point 125°F (52°C)

**FSTM:** Foster Standard Test Method

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**Foster Stackfas Mastic** is a high solids non-asphaltic coatings for use in boiler stacks and chimneys, both steel and concrete, to prevent corrosion from acid exhaust gases. It shows outstanding heat resistance when exposed to continuous temperatures up to 350°F (177°C).

**Stackfas Mastic** has demonstrated excellent resistance in prolonged exposure to hot sulphuric, hydrochloric and hydrofluoric acid solutions and vapours in field service and laboratory tests. It has excellent adhesion to “green” concrete, acid-resistant brick, steel, and thermal insulation when the surface is properly prepared.

**Stackfas Mastic** also finds applications in furnace, boiler, and incinerator construction between the refractory lining and the steel shell. It can be used as high temperature flashing compounds up to 350°F (177°C).

**Stackfas Mastic** contains no asbestos, lead, mercury, or mercury compounds.

### Limitations

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

Keep container and contents above 70°F (21°C) to facilitate application.

Always allow STACKFAS Mastic to dry through before placing it in service.

Drying can be accelerated with heat.

Contact Foster for specific recommendations.



## FOSTER STACKFAS® MASTIC 60-44

### Material Preparation

DO NOT THIN. Apply only to clean dry surface. Keep container closed when not in use to prevent solvent evaporation and contamination with dirt and debris.

### Application

(Refer to Foster STACKFAS Guide Specifications for all particulars on application of STACKFAS Mastic.)

### Steel surfaces

Prepare the steel surface by removing all fly ash and sand blasting to "white" metal in accordance with Steel Structures Painting Council Specification SP5-52T, to remove all mill scale, rust, paint and corrosion products. Remove all dust and sand from surface by brush or vacuum, paying particular attention to weldings, rivets and crevices. During the same day, the entire prepared surface shall receive a uniform coat of STACKFAS Mastic at the rate of 12 gal/100 sq. ft. (4.9 l/m<sup>2</sup>). (Approximately 3/16 inch (4.8 mm) wet film thickness.) The sand blasted surface can be protected in the interim before full application of STACKFAS Mastic with a prime coat of 1:1 by volume dilution with xylene or high flash naphtha spray applied at 150-250 SF/Gal. (3.7-6.1 m<sup>2</sup>/l) of diluted STACKFAS.

Note: If the surface is to receive a Gunited lining, first apply the welded bolt studs in accordance with recommendations of Gunite Specifier.

### Concrete surfaces

Prepare concrete surface by scraping and/or wire brushing to remove any efflorescence, concrete droppings and surface dirt that may have accumulated during erection. The entire surface of the concrete shell shall receive a uniform coat of STACKFAS Mastic at the rate of 12 gal./100 sq. ft. (4.9 l/m<sup>2</sup>). (Approximately 3/16 inch (4.8 mm) wet film thickness.)

### Trowel

Use clean tools and equipment. Work in long, even strokes to insure uniform thickness.

### Spray

STACKFAS Mastic 60-44 may be applied by heated airless spray at 50 gallons/hr (189 l/hr) using pumps of 40 to 1 or higher ratios. For spray equipment information, please consult your spray equipment supplier.

### Clean Up

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

### Safety Statement

Contains mineral Spirits, high flash naphtha.

### WARNING

- Flammable.
- Vapours harmful.
- Acute overexposure to vapours may cause dizziness, headache, nausea, and unconsciousness.
- Prolonged overexposure to vapours may cause liver and kidney damage.
- Harmful if swallowed. Eye and skin irritant. Since emptied containers retain product residue, follow label warnings even after container is emptied.
- Consult Material Safety Data Sheet for further information.

Keep out of reach of children.

### 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. 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.