



60-44 Foster Stackfas Mastic

Colour

Black

Application Consistency

60-44 – Airless Spray, trowel

Average Weight (DIN 51752)

1.1 kg/l

Average Non-Volatile (DIN 53216)

77.3%

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/m²) 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 is also used as a resistive bore coating for the inner surfaces of cellular glass, rigid polyurethane, ureaformaldehyde, or polyisocyanurate foam insulation to reduce abrasion from vibration piping or vessels.

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.



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/m²). (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 m²/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/m²). (Approximately 3/16 inch (4.8 mm) wet film thickness.)

Anti-abrasion

Apply onto the bore of the insulation at 100 to 135 sq. ft./gal. (2.5 to 3.3 m²/l) troweled smooth. Allow to fully dry before installing the insulation.

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 mineral spirits.

Safety Statement

Contains mineral spirits, high flash naphtha.

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.