

**PROPERTIES****COLOR:**

White

APPLICATION CONSISTENCY:

Brush or airless spray

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

9.0 lbs. (1.08 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

25% by volume (25% by weight)

ODOR: Mild when wet; none when dry**COVERAGE RANGE:**

Subject to thickness, absorbency, and nature of the surface being sealed. Highly porous and low density surfaces will require higher gallonage. See application, other side.

DRYING TIME (ASTM D1640):

Dry Through: 2-4 hours at ambient

High humidity or low temperatures may retard drying.

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-20°F (-29°C) to 200°F (93°C)

WET FLAMMABILITY (ASTM D3278):

No flash to boiling, 205°F (96°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 10

Smoke Developed: 0

Tested at a coverage rate of 80 sq. ft. per gal. (1.96 m²/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.

ATTRIBUTES

Foster® 40-23™ Duct Liner Insulation Sealer is a water-based material specially formulated for application to HVAC duct liner or duct board insulations. Foster Duct Liner Insulation Sealer penetrates deeply into the existing insulation materials and, upon cure, reinforces the cohesive strength of the insulation materials, forming a tight, damage-resistant surface. Foster Duct Liner Insulation Sealer applied to the interior surfaces of unlined HVAC duct-work, subsequent to source removal, effectively and economically reduces particle release.

Foster 40-23 is non-flammable when wet and fire-resistant when dry. The dry film stays flexible and moisture resistant. It will not cause flash rusting on metal surfaces.

Foster 40-23 is formulated to maintain excellent resistance to the deteriorating effects of fungus or molds.

Foster 40-23 meets requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

Foster 40-23 contains no asbestos, lead, mercury, or mercury compounds. It meets NFPA 90A and 90B 25/50 requirements.

LIMITATIONS:

Do not store or apply below 40°F (4°C) or above 100°F (38°C). Protect from freezing until dry. Water-based products may corrode carbon steel spray equipment. Corrosion resistant pumps and fittings are suggested. For interior use only.

DO NOT DILUTE.**STIR WELL BEFORE USING.**

APPLICATION GUIDE FOR FOSTER® 40-23™ DUCT LINER INSULATION SEALER

MATERIAL PREPARATION: STIR WELL but do not use sticks, boards or anything else that would splinter or otherwise contaminate product. DO NOT THIN.

SURFACE PREPARATION: Air ducts should be lightly vacuum cleaned to remove all mold, dust, and loose particles, being careful not to tear or loosen the liner, if applicable. Following complete cleaning procedures, unlined air duct surfaces are to be sanitized using an appropriate material in accordance with manufacturer's instructions. Duct surfaces must be completely dry before application of **Foster® 40-23™ Duct Liner Insulation Sealer**.

APPLICATION: Foster Duct Liner Insulation Sealer can be applied with virtually any type of airless spray equipment on the market today, since it is water thin in consistency. High output electric airless spray application equipment is ideal, but pneumatic or hydraulic equipment can be used. Pressure setting should be as low as possible while still achieving atomization. Average viscosity range: 600-1000 cps.

Spray apply to the interior surfaces of unlined HVAC duct work and equipment subsequent to source removal at a coverage rate of 400-600 ft²/gal (9.8-14.7 m²/liter). For lined surfaces, apply at a coverage rate of 50-150 ft²/gal (1.2-3.7 m²/liter).

Note: Continue to circulate fresh air throughout the system during the application and for as long after the application as is possible. Circulated air should be exhausted outside the building. If air must be exhausted inside the building, filtration through a charcoal medium is suggested. This circulation and filtration helps to reduce the dry time of the coating and reduce latex type odors that could possibly migrate from the application area. Be sure exhausted air is odorless before venting into occupied spaces.

CLEAN-UP: Use fresh water to clean equipment before product dries. Dry product may be removed with hot soapy water or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).



CUSTOMER SERVICE: 800-231-9541

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