



PROPERTIES

COLOR:

Black

APPLICATION CONSISTENCY:

Brush, spray or rollercoat

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

11.0 lbs. (1.32 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

35% by volume (51% by weight)

COVERAGE RANGE:

(Subject to the nature of material being coated.) Wet coverages shown below are minimum gallonages required:

Galvanized Metal: .75 gal./100 sq. ft. (.31 l/m²)

New Duct Liner: 1.0 gal./100 sq. ft. (.41 l/m²)

Old Eroded Duct Liner: 1.5 gal./100 sq. ft. (.61 l/m²)

Unsealed, rough, or low density surfaces may require higher gallonage to attain required surface sealing.

DRYING TIME (ASTM D1640):

Set to Touch: 6 hours

Dry Through: 24 hours

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-50°F to 180°F (-46°C to 82°C)

WET FLAMMABILITY (ASTM D93):

No flash to boiling, 212°F (100°C)

SURFACE BURNING CHARACTERISTICS
(ASTM E84):

Flame Spread: 10

Smoke Developed: 5

Tested at coverage rate of 150 sq.ft./gal. (3.68 m²/l).

Applied to 1" (25 mm) faced duct liner. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

Meets NFPA 90A and 90B 25/50 requirements.

ATTRIBUTES

Foster® 40-30™ Fungicidal Protective Coating (40-30) is a low odor, quick setting water-based surfacing material designed for field or shop application to faced or unfaced fiberglass duct liner, fiberglass duct board insulation or galvanized surfaces. It is formulated to effectively prevent the spread of molds and odor-causing bacteria on its surface with long term activity. Its low viscosity allows for application with virtually any type of spray equipment now available to the market.

Foster 40-30 guards against the regrowth and spread of odor causing bacteria and molds on the surface of the coated HVAC system or its treated components only. As a result, the building occupants may enjoy a work space free of the odor problems often associated with contaminated HVAC duct systems.

Foster 40-30 dries to form an effective air erosion preventive surfacing material sealing and reinforcing the surface of new or aged duct liner insulation materials.

Foster 40-30 is non-flammable when wet and extremely fire-resistant when dry. When tested on both faced and unfaced fiberglass duct liner insulation, Foster Fungicidal Protective Coating produced flame and smoke ratings below the 25/50 NFPA 90A and 90B requirements. The dry film stays flexible and moisture resistant. It will not cause flash rusting on metal surfaces.

Foster 40-30 meets requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

Foster 40-30 contains no asbestos, lead, mercury, or mercury compounds.

LIMITATIONS:

Store between 40°F (4°C) and 100°F (38°C). Protect from freezing. Apply between 50°F (10°C) and 100°F (38°C) with less than 70% RH air conditions maintained 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.
FOR PROFESSIONAL USE ONLY.

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APPLICATION GUIDE FOR FOSTER® 40-30™ FUNGICIDAL PROTECTIVE COATING

MATERIAL PREPARATION: DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use.

SURFACE PREPARATION: Lined air ducts should be thoroughly cleaned to remove all mold, dust and loose particles, being careful not to tear or loosen the liner. Galvanized surfaces need to be vacuumed or washed clean of all accumulated mold, dust and loose particles. Following complete cleaning procedures, sanitize the entire air duct surfaces with an approved sanitizer following manufacturer's directions. Ensure that all interior surfaces are thoroughly dry before applying **Foster® Fungicidal Protective Coating (40-30)**. All rusted metal surfaces must be primed with **Foster® 40-26™ Waterbase Primer** before application of Foster Fungicidal Protective Coating. Foster Fungicidal Protective Coating may be applied directly onto cleaned unrusted galvanized surfaces.

APPLICATION: Always ensure adequate ventilation by using negative air pressure in the HVAC system during application. Apply Foster Fungicidal Protective Coating to all surfaces by brush or airless spray at the required rate (see front page). Brushing will require two coats applied at 90° to each other. Under normal circumstances a spray application can be completed in one coat, but for extremely porous or irregular surfaces, a second coat may be required. Foster Fungicidal Protective Coating has been designed with an average viscosity range of between 4,000 and 6,000 cps enabling application by virtually any type of airless spray equipment. Ensure that the finished surface is smooth and well sealed.

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.

MAINTENANCE: Normal cleaning procedure must be maintained in HVAC systems to remove accumulated airborne particles.

CLEAN-UP: Use fresh water to clean brushes before product dries. While the product is still wet, flush the equipment with a solution comprised of 1/2 cup sudsy ammonia, 1/2 cup pine oil cleanser, and 4 gallons of cool water. Flush until material exiting pump shows no evidence of Foster 40-30. Dry product may be removed with chlorinated solvents (non-flammable) or xylol (flammable).

HAZARD STATEMENT:

CAUTION: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin or eyes or clothing. Wash thoroughly with soap and water after handling. Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if product is spray applied. Have eye washes available where eye contact can occur. Prolonged skin contact may cause irritation. Applicators and other handlers must wear long-sleeve shirt and long pants, chemical-resistant gloves, such as Barrier Laminate, Viton, or Nitrile or Neoprene rubber, shoes plus socks. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal protection equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly. Acute overexposure to vapors may cause dizziness, headache, nausea and unconsciousness. Since emptied containers retain product residue, follow label warnings even after container is empty.



CUSTOMER SERVICE: 800-231-9541

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

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