



40-30™ Fungicidal Protective Coating Product Data Sheet

PROPERTIES

COLOR:

Black

APPLICATION CONSISTENCY:

Brush, spray or roller

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: 0.75 gal./100 sq. ft. (0.31 l/m²)
New Duct Liner: 1.0 gal./100 sq. ft. (0.41 l/m²)
Old Eroded Duct Liner: 1.5 gal./100 sq. ft. (0.61 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:

Temperature at coated surface.

-50°F to 180°F (-46°C to 82°C)

WET FLAMMABILITY:

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.

Foster® 40-30™ Fungicidal Protective Coating meets NFPA 90A and 90B 25/50 requirements.

EPA Registration No. 63836-2

EPA Est. No. 63836-TX-001

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ATTRIBUTES

Foster® 40-30™ Fungicidal Protective Coating 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® Fungicidal Protective Coating 40-30™ meets the requirements of:

- MAS Certified Green®
- California Dept. of Public Health Standard Method v1.2
- VOC Emissions and Content requirements to contribute to **LEED v4** EQ Credit: Low Emitting Materials – Paints and Coatings
- Collaborative for High Performance Schools EQ 7.1

VOC Content: 39 g/l, less water and exempt solvents.

**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.

Avoid direct application onto pressurized PVC or CPVC piping and wipe off or remove overspray.

DO NOT DILUTE.

FOR PROFESSIONAL USE.

H.B. Fuller Construction Products Inc.

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

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

MATERIAL PREPARATION

DO NOT THIN. Keep container closed when not in use.

SURFACE PREPARATION

Apply only to surfaces free of all loose dirt, grease, mold or other materials that may interfere with the adhesion of the coating to the substrate.

HVAC systems: Follow use directions provided in the supplemental document "[Application of 40-30™ Fungicidal Protective Coating in HVAC Systems](#)" available at www.fosterproducts.com. Always follow industry accepted cleaning procedures. Lined air ducts must be lightly vacuumed 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. Ensure that all interior surfaces are thoroughly dry before applying Foster® 40-30™. See metal surface preparations for primer requirements.

Masonry, brick, plaster and cement-based surfaces: On mold-infested surfaces, aggressively scrape the surface, then wire brush to produce a firm, sound substrate. Clean the intended surface of any materials that may interfere with the adhesion of the coating and allow to dry completely before proceeding. Prime all unpainted brick, plaster and cement-based surfaces with a masonry sealer or primer if dusty. A block filler may be used to patch and smooth porous surfaces.

Painted surfaces: Wire brush painted surfaces, removing all flaking, loose or chalking material. Sand all glossy surfaces (alkyl, oil, epoxy-based coatings, etc.) to roughen entire area. Alternately, a primer may be applied to glossy surfaces to improve adhesion; adequate adhesion must be confirmed prior to completing application. Clean the intended surface of any materials that may interfere with the adhesion of the coating and allow to dry completely before proceeding.

Metal surfaces: Remove any dust, grease, oil or materials. Abrade all surfaces to remove all surface rust. Clean the intended surface of any materials that may interfere with the adhesion of the coating and allow to dry completely before proceeding. All rusted metal surfaces must be primed before application of Foster® 40-30™. Foster® 40-30™ may be applied directly onto cleaned unrusted galvanized surfaces.

Unpainted wood and drywall: Remove all dirt, grease, oil, loose mold or mildew or other materials. Remove all loose substrate materials, unnatural protrusions, splintered materials, etc. to a sound surface. In wall cavities or unexposed surfaces, Foster® 40-30™ may be applied directly without the need for primer. On exposed surfaces where staining or discoloration of the coating would be objectionable, prime with a stain blocking primer.

APPLICATION

Always ensure adequate ventilation. HVAC systems must be under negative air pressure during and after application to allow for exhausting of odors and rapid drying of the coating. Apply Foster® 40-30™ to all surfaces by brush or airless spray at the following wet coverage rates (rates are minimum required and are subject to the nature of the material being coated):

Galvanized Metal:	0.75 gal./100 sq. ft. (0.31 l/m ²)
New Duct Liner:	1.0 gal./100 sq. ft. (0.41 l/m ²)
Old Eroded Duct Liner:	1.5 gal./100 sq. ft. (0.61 l/m ²)
Wood, Drywall, OSB:	0.33 gal./100 sq. ft. (0.14 l/m ²)

Unsealed, rough or low-density surfaces may require more material to attain required surface sealing. Brushing will require two heavy 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. Ensure that the finished surface is smooth and well-sealed. For airless spray application, use an electric 2800 psi minimum pump with a 0.015 – 0.025 fluid tip. Clean brushes and equipment with warm water before product dries.

Note: Continue to circulate fresh, dry air throughout the area during the application and for as long after the application as is possible. Exhaust circulated air outside the building or occupied space. If air must be exhausted inside the building, circulate air through an air scrubbing filtration system with odor absorbing medium such as a charcoal medium. 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 procedures must be maintained in HVAC systems to remove accumulated airborne particles. Where accessible, the coating may be washed down periodically to remove any accumulation of materials with water and a mild detergent. If coating becomes damaged, clean surface and re-apply coating.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not get on skin, clothing or in eyes. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. This product may cause skin sensitization reactions in some people. Remove contaminated clothing and wash clothing before reuse.

USER SAFETY INSTRUCTIONS: Users must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then, wash thoroughly and put on clean clothing. Users must remove personnel protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. When applying this product, user must wear long sleeve shirt, long pants, shoes plus socks, chemical-resistant gloves and a chemical-resistant apron. When applying with a sprayer, applicator must wear a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

FIRST AID: If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a Poison Control Center or doctor for treatment advice. **If on Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a Poison Control Center or doctor for treatment advice. **If Swallowed:** Call a Poison Control Center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything to an unconscious person. Do not induce vomiting unless told by a Poison Control Center doctor.

CUSTOMER SERVICE: (800) 832-9002

IMPORTANT: H.B. Fuller Construction Products Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The requirements herein are made without guarantee or representation as to results. We require 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 twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

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

Foster PDS 40-30 R0720