

**40-20™****Fungicidal Protective Coating****Product Data Sheet****PROPERTIES****COLOR:**

White

APPLICATION CONSISTENCY:

Brush or airless spray

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

11.9 lbs. (1.43 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

58% by volume

COVERAGE RANGE:

Wet coverages shown are for smooth, non-porous surfaces. Porous or rough surfaces may require higher gallonage to obtain required thickness.

1.25 gal./100 sq. ft. (0.51 l/m²)

0.020 in. wet thickness (0.51 mm)

0.011 in. dry thickness (0.27 mm)

DRYING TIME (ASTM D1640):

Set to Touch: 4 hours

Dry Through: 16 hours

WATER VAPOR PERMEANCE (ASTM F1249):

Tested at 90% R.H. differential and 100°F (38°C) 6.0 perms at 0.011 in. (4.0 metric perms at 0.28mm)

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-20°F to 200°F (-29°C to 93°C)

SAFETY:

Wet Flammability (ASTM D3278)

No Flash to Boiling 210°F (99°C)

SURFACE BURNING CHARACTERISTICS**(ASTM E 84):**

Flame Spread: 15

Smoke Developed: 5

Tested at a coverage rate of 80 square feet per gallon (1.96 m²/liter). Applied to inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

Foster Fungicidal Protective Coating meets NFPA 90A and 90B 25/50 requirements

Visit us on the web at www.fosterproducts.com

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ATTRIBUTES

Foster® 40-20™ Fungicidal Protective Coating (40-20) is a polyacrylate copolymer emulsion specifically formulated for long-term fungicidal activity, with no loss of activity on aging. It is formulated to effectively prevent the spread of molds and odor-causing bacteria on its surface. It provides a tough, elastic, decorative finish that allows for movement without splitting and creating lodging places for bacteria.

Foster 40-20 provides a cost effective decorative finish resistant to many industrial chemicals, together with long-lasting protection. It can be used on walls, ceilings, pipes, interior and exterior surfaces of HVAC duct systems, and wherever effective controls are essential.

Foster 40-20 guards against the re-growth 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 40-20 meets requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings. VOC: 36 g/l, less water and exempt solvents.

LIMITATIONS:

Protect from freezing. Do not apply near food stuffs in unventilated areas. Always ensure adequate ventilation. Do not store or apply over 100°F (38°C) or below 40°F (4.4°C). Water-based products may corrode carbon steel spray equipment. Corrosion resistant pumps and fittings are suggested.

DO NOT DILUTE.

U.S. Patent No. 5,314,719
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For professional use only

FPDS40-20 R0413

H.B. Fuller Construction Products Inc.

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**APPLICATION GUIDE
FOR
FOSTER® 40-20™ 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. Do not apply outdoors in damp or rainy weather.

SURFACE PREPARATION:

Unpainted brick, plaster, and cement based surfaces: Apply only to clean, dry surfaces free of all dirt, grease, or impurities. On mold infested surfaces, aggressively scrape the surface, then wire brush to produce a firm, sound substrate. Wash the intended surface with a detergent and water solution following the instructions for its use, then rinse and allow to dry completely before proceeding. 40-20 may be applied directly without the need for primer. For improved adhesion to unpainted brick, plaster and cement based surfaces, prime with **Foster® 40-26™ Waterbase Primer** and fill gaps with **Foster® 40-16™ Block Filler**.

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. Wash the intended surface with a detergent and water solution following the manufacturer's instructions for its use, then rinse and allow to dry thoroughly.

Metal Surfaces: Remove any dust, grease, oil, or materials. Abrade all surfaces to remove all surface rust. Wash the intended surface with detergent and water, then rinse and allow to dry thoroughly. Where metal will be exposed or potential exists for the coating to be peeled from the surface, prime metal surfaces with Foster Waterbase Primer.

Wooden Surfaces (unpainted): Remove all dirt, grease, oil, or materials. Remove all loose substrate materials, unnatural protrusions, splintered materials, etc. to a sound surface. Wash with detergent and water following the manufacturer's directions, then rinse and allow to dry thoroughly. 40-20 may be applied directly without the need for primer. On exposed surfaces where staining or discoloration of the coating would be objectionable, prime with Foster Waterbase Primer.

HVAC Systems: Follow use directions provided in the supplemental document "[Application of 40-20 Fungicidal Protective Coating in HVAC Systems](#)" available at www.fosterproducts.com. Always follow industry accepted cleaning procedures. 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® 40-20™**. All metal surfaces must be primed with Foster Waterbase Primer before application of 40-20. Lined air ducts must be lightly vacuum cleaned to remove all mold, dust, and loose particles, being careful not to tear or loosen the liner.

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 40-20 to all surfaces by brush, roller or airless spray at a rate of approximately 1.25 gal. per 100 square feet. Always ensure adequate ventilation. Brushing or rolling 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. Ensure that the finished surface is smooth and homogeneous. For airless spray application, use an electric 2800 psi minimum pump with a 0.021-0.025 fluid tip.

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: Wash down periodically with mild detergent and water. Where severely contaminated, scrub clean using steam cleaning where permissible. Normal cleaning procedures must be maintained in HVAC systems to removed accumulated airborne particles. If coating becomes damaged clean surface and re-apply coating.

CLEAN-UP: Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with chlorinated solvents (non-flammable) or xylol (flammable).

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Prolonged skin contact may cause irritation. Acute overexposure to vapors may cause dizziness, headache, nausea, and unconsciousness. Since emptied containers may contain product residue, follow label warning even after container is empty. Consult material safety data sheet for more information.

USER SAFETY INSTRUCTIONS

Users must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users must wear long-sleeved shirts, long pants, shoes, socks, chemical resistant gloves and apron when handling this product. User 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 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 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. In case of emergency call 1-888-853-1758. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. **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 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.

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 six months from date of shipment to the original purchaser.

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