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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 20 2010

Robert Malocha  
Speciality Construction Brands, Inc.  
315 South Hicks Road  
Palatine, IL 60067-6972

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Subject: **Foster 40-20 Fungicidal Protective Coating**  
EPA Registration No. 63836-1  
Application Date: April 12, 2010  
Receipt Date: April 21, 2010

Dear Mr. Malocha:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments.

**Proposed Amendment:**

- Update label per September 17, 2009 Agency letter

**Conditions**

Revise Label as follows:

1. Your Hazard Statement section on the application guide must be consistent with Precautionary Statements on the label. You must revise such that both sections read as follows:

"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 retain product residue, follow label warnings even after container is empty. Consult Material Safety Data Sheet for further information."

2. PRN 2005-1, Guidance for Mandatory and Advisory Labeling Statements, states that:

Mandatory statements, which commonly use imperative verbs such as "must" or "shall," either require action or prohibit the user from taking certain action. **Advisory statements generally provide information, either in support of the mandatory statements or about the product in general. To ensure that the intent of each labeling statement is clear, mandatory statements need to be clearly distinguishable from advisory statements.**

CONCURRENCES						
SYMBOL		Therefore, you must change the "should" to "must" in the last statement under				
SURNAME						
DATE						

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"HVAC Systems" directions on the application guide and all the statements under "User Safety" on the product label.

General Comment:

A stamped label with conditions is enclosed for your records. Submit a copy of the final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at [campbell-mcfarlane.jacqueline@epa.gov](mailto:campbell-mcfarlane.jacqueline@epa.gov) or Stacey Grigsby by telephone at (703) 305-6440 or by e-mail at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov) during the hours of 8:00am to 4:00pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

Jacqueline McFarlane  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosure: EPA stamped accepted labeling

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



# Foster 40-20™

## PRECAUTIONARY STATEMENTS HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

**USER SAFETY:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should wear long-sleeved shirts, long pants, shoes, socks and chemical resistant gloves when handling this product. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal 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 should wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with organic vapor cartridges.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accord with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

This information and data contained herein are correct to the best of our knowledge and tests. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose and use.

**IMPORTANT:** Specialty Construction Brands, Inc. (SCB) warrants that each of its products will be manufactured in accordance with SCB's specifications in effect on the date of manufacture. If a product fails to meet this limited warranty, the purchaser's sole and exclusive remedy is replacement of the product or, at SCB's option, refund of the purchase price. **SCB'S ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON THE PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE PRODUCT DATA SHEET AND INVOICE.**

## Fungicidal Protective Coating

- Prevents the growth and spread of odor causing bacteria and molds on its surface.

## White

## DIRECTIONS FOR USE

It is a violation of federal law manner inconsistent with its this product in a way that will other persons.

**SURFACE PREPARATION:** Ap surfaces free of all dirt, grea: contaminants. Follow the sur directions on the product dat of surface to be coated.

**DO NOT THIN!** Apply Foster spray at a rate of approximat 100 square feet. Always ensu Brushing will require two he: to each other. Under normal application can be complete extremely porous or irregular coat may be required. Insure surface is smooth and homor spray application, use an ele Graco Ultra-Max 1095 with a 700-900 psi atomizing pressu brushes and equipment with product dries. Refer to the pr more complete information o application procedures.

EPA Registration Number:  
63836-1  
EPA Est. No. 63836-TX-001

<b>Active Ingredients:</b>	
Barium Metaborate .....	9.00%
3-Iodo-2-propynyl butylcarbamate .....	0.16%
Other Ingredients .....	90.84%
<b>TOTAL .....</b>	<b>100.00%</b>

This contains 1.06 pounds of Barium Metaborate and 0.02 pounds of 3-Iodo-2-propynyl butylcarbamate per gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION

**FIRST AID: IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a Poison Control Center or 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferable mouth-to-mouth if possible. Call a Poison Control Center or doctor for further 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.

Specialty Construction Brands, Inc.  
1105 South Frontenac Street  
Aurora, IL USA 60504  
An H.B. Fuller Company



For more Product information visit:  
[www.fosterproducts.com](http://www.fosterproducts.com)  
Customer Service: 800-231-9541

Made in the USA  
FOR PROFESSIONAL USE ONLY

Net Contents: 5 Gallons (59.5 lbs.)  
18.92 L (26.99 KG)

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## White

### 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.

**SURFACE PREPARATION:** Apply only to clean, dry surfaces free of all dirt, grease, mold or other contaminants. Follow the surface preparation directions on the product data sheet for the type of surface to be coated.

**DO NOT THIN!** Apply Foster 40-20 by brush or airless spray at a rate of approximately 1.25 gallons per 100 square feet. Always ensure adequate ventilation. 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. Insure that the finished surface is smooth and homogeneous. Foster airless spray application, use an electric 30:1 unit such as a Graco Ultra-Max 1095 with a .021-.025 fluid tip and 700-900 psi atomizing pressure at the gun. Clean brushes and equipment with warm water before product dries. Refer to the product data sheet for more complete information on product use sites and application procedures.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Protect from freezing – product stability may be affected. Do not store or apply at temperatures over 100°F (38°C) or below 40°F (4.4°C). Keep container closed when not in use.

**PESTICIDE DISPOSAL:** State or local hazardous waste regulations may apply if they are different from the federal regulations. Wastes resulting from the use of this product may be disposed of according to applicable federal, state, or local procedures. For additional waste disposal information call the H.B. Fuller Company Environmental Services at 800-338-2975.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Foster and 40-20 are registered trademarks of Specialty Construction Brands, Inc. Made in U.S.A.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 20 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 63836-1

For more information visit:  
www.fostercoatings.com  
or call: 800-231-9541

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U.S. Patent No. 5,314,719  
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**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. (1.36 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/m<sup>2</sup>)

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 m<sup>2</sup>/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

**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.

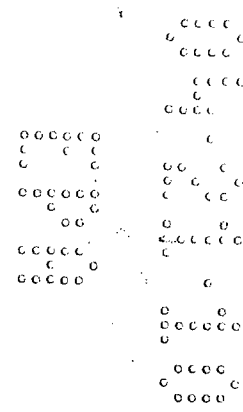
Foster 40-20 meets requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings. VOC: 36 g/l, less water and exempt solvents.

**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  
EPA Registration No. 63836-1  
EPA Est. No. 63836-TX-001  
For professional use only



Visit us on the web at [www.fosterproducts.com](http://www.fosterproducts.com)

Foster, 40-20, 40-16 and 40-26 are trademarks of Specialty Construction Brands, Inc.

**Specialty Construction Brands, Inc.**

1105 South Frontenac Street • Aurora, IL 60504 • 800-231-9541 • fax 800-942-6856

# APPLICATION GUIDE FOR FOSTER® 40-20™ Fungicidal Protective Coating

**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 high quality biocidal wash 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 high quality biocidal wash solution following the manufacturer's instructions for its use, then rinse and allow to dry thoroughly.

**Metal Surfaces:** Remove any dust, grease, oil, or contaminants. Abrade all surfaces to remove all surface rust. Wash the intended surface with high quality biocidal wash, then rinse and allow to dry thoroughly. Prime surface with Foster Waterbase Primer. Note: Galvanized surfaces should also be cleaned with a trisodium phosphate solution.

**Wooden Surfaces (unpainted):** Remove all dirt, grease, oil, or contaminants. Remove all loose substrate materials, unnatural protrusions, splintered materials, etc. to a sound surface. Apply a biocidal wash 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:** 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® 40-20™. All metal surfaces must be primed with Foster Waterbase Primer before application of 40-20. Lined air ducts should be lightly vacuum cleaned to remove all mold, dust, and loose particles, being careful not to tear or loosen the liner.

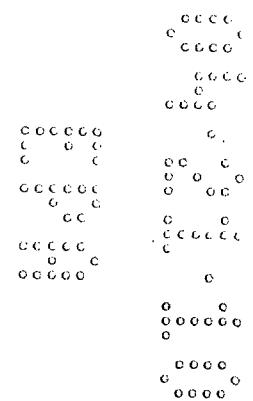
**APPLICATION:** Apply 40-20 to all surfaces by brush, airless spray at a rate of approximately 1.25 gal. per 100 square feet. Always ensure adequate ventilation. Brushing will require two coats applied at 90° to each other. Under normal circumstances a spray application can be completed in one coat, but for extremely porous or irregular surfaces, a second coat may be required. Ensure that the finished surface is smooth and homogeneous. For airless spray application, use an electric 30:1 unit such with a 0.021-0.025 fluid tip and 800-900 psi atomizing pressure at the gun. For HVAC systems interior surfaces: Always ensure negative air pressure in the HVAC system during application. After one hour has elapsed from completion of application, circulate fresh air throughout the system to dry the coating. Be sure exhausted air is odorless before ventilating into occupied room areas.

**MAINTENANCE:** Wash down periodically with a high quality biocidal wash. Where severely contaminated, scrub clean using steam cleaning where permissible. Normal cleaning procedures must be maintained in HVAC systems to removed accumulated airborne particles.

**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).

**HAZARD STATEMENT:**

**CAUTION:** Harmful if swallowed or absorbed through skin. 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 retain product residue, follow label warnings even after container is empty. Consult Material Safety Data Sheet for further information.



**CUSTOMER SERVICE: 800-231-9541**

**IMPORTANT:** Specialty Construction Brands, 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 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.**