



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 dry 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:

Set to Touch: 4 hours

Dry Through: 16 hours

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

ASTM F1249:

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

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.

-20°F to 200°F (-29°C to 93°C)

WET FLAMMABILITY:

No flash to boiling, 210°F (99°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 15

Smoke Developed: 5

Tested at a coverage rate of 80 sq. ft./gal. (1.96 m²/l). Applied to inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

Foster® 40-20C Protective Coating meets NFPA 90A and 90B 25/50 requirements.

FOSTER® 40-20C PROTECTIVE COATING

Foster® 40-20C Protective Coating provides a tough, elastic decorative finish that allows for movement without splitting to create lodging places for bacteria.

40-20C Protective Coating 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.

40-20C resists mold, fungus, discoloration from mildew and stains by mold. 40-20C has been formulated with an EPA-registered fungicide to resist mildew growth. Its extremely high level of resistance enhances the longevity of the material.

40-20C 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: 42 g/l, less water and exempt solvents.



LIMITATIONS

Protect from freezing. Do not apply near food stuffs in unventilated areas. Ensure product is dry before returning food to area. 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.

This product does not protect users or others against bacteria, viruses, germs or other disease organisms. It does not take the place of normal cleaning & disinfecting procedures.

For professional use only.

™ Trademark of H.B. Fuller Construction Products Inc.

Visit us on the web at www.fosterproducts.com

H.B. Fuller Construction Products Inc.

1105 S. Frontenac Street ○ Aurora, IL 60504 ○ 800-832-9002 ○ fax 800-952-2368

APPLICATION GUIDE FOR FOSTER® 40-20C 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 detergent and water solution following the instructions for its use, then rinse and allow to dry completely before proceeding. 40-20C may be applied directly without the need for primer. For improved adhesion to unpainted brick, plaster and cement-based surfaces, prime with a water-based primer and fill gaps with 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 a water-based, adhesion-promoting primer suitable for the type of metal to be coated.

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. 40-20C 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 water-based, stain-blocking primer.

HVAC systems: 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® 40-20C. Follow recommendations above for metal surfaces. 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 40-20C to all surfaces by brush, roller or airless spray at a rate of approximately 1.25 gal. per 100 square feet. 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 remove 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).

SAFETY

SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTY. Consult Safety Data Sheet for further information. **KEEP OUT OF REACH OF CHILDREN.**

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 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 twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of compliance.

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