



Interior Defense™

Mold Resistant Coating (40-50)

Product Data Sheet

PROPERTIES

COLOR:

White

APPLICATION CONSISTENCY:

Brush, spray or roller

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

11.4 lbs./gal. (1.37 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

51% by weight (32% by volume)

COVERAGE:

Subject to type of surface and nature of material being coated. See application guide, other side.
250 – 400 sq. ft./gal. (6.1 to 9.8 m²/liter) typical coverage on smooth surfaces

DRYING TIME:

High humidity or low temperatures retard drying.
Set to Touch: 40 Minutes at Ambient
Dry Through: 2 Hours at Ambient

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.
-20°F to 180°F (-29°C to 82°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

ASTM F1249: > 40 perms at 4 mils dry film thickness.
Tested at 100°F (38°C) and 90% RH.

WET FLAMMABILITY:

No flash to boiling: 210°F (99°C)

SURFACE BURNING CHARACTERISTICS**(ASTM E84):**

Flame Spread: 5
Smoke Developed: 0
Tested at a coverage rate of 300 sq. ft./gal. (7.4 m²/l).
Applied to inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

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ATTRIBUTES

- A tough, water-resistant coating for use in areas prone to mold growth.
- Specially formulated with select EPA-registered, antimicrobial agents to provide long-term protection against odor-causing bacteria, mold and mildew growth on its surface.
- Ideal for use in attic spaces, wall cavities, crawl spaces, floor joists or wherever mold remediation has occurred.
- Can be used over a variety of surfaces such as wood studs, OSB, plywood, painted surfaces, wall board, masonry and metal.
- Applied at a coverage rate of 300 sq. ft./gallon for fast drying and low odor application.
- Low viscosity and good body allows for easy application with most airless spray equipment, brush or roller.
- Water-based formulation for non-hazardous application and use when applied according to instructions.
- Can be used for industrial, commercial, residential, hospital and school applications.

Foster® INTERIOR DEFENSE™ Mold Resistant Coating 40-50 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: 40 g/l, less water and exempt solvents.

**LIMITATIONS:**

Do not store or apply below 40°F (4°C) or above 100°F (38°C).
Protect from freezing until dry.

Avoid direct application onto pressurized PVC or CPVC piping and wipe off when wet or remove overspray if dried.

Surface must be clean, dry and free of wax, grease, oil, dirt and other surface contaminants before the product is applied.

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.

STIR WELL BEFORE USE.

DO NOT DILUTE.

FOR PROFESSIONAL USE ONLY.

H.B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER® INTERIOR DEFENSE™ MOLD RESISTANT COATING 40-50

MATERIAL AND SURFACE PREPARATION

Stir well. DO NOT THIN. Apply only to clean, dry surfaces. Ensure that all surfaces are free of all wax, grease, oil, dirt, rust, mold and other surface contaminants. Following complete cleaning procedures, sanitize the entire surface with Foster® 40-80 First Defense™ Disinfectant, following manufacturer's directions. Patch any large voids or defects. On painted surfaces, remove all flaking, loose or chalking material. Sand all glossy painted surfaces using 220-grit sandpaper to roughen the entire area. All rusted, metal surfaces must be primed before application. Although Foster® Interior Defense™ (40-50) may be applied directly onto cleaned, unrusted, galvanized surfaces, it is recommended that these surfaces be primed.

If CPVC piping is present cover it to prevent direct application or overspray. If 40-50 does come in contact with CPVC piping wipe it off when wet or remove dried product with a damp towel or scrub brush.

APPLICATION

Apply Interior Defense™ to all surfaces at a rate of 250 – 400 sq. ft./gal. (6.1 – 9.8 m²/l) to create a uniform film on the surface. Spraying or brushing will give the smoothest finish. For optimum performance, maintain uniform recommended coverage. Porous or uneven surfaces will require more material.

Spray equipment: Interior Defense™ can be applied with virtually any type of airless spray equipment on the market today. Reversible cleaning 0.015" – 0.017" spray tips are recommended for optimum application. The average viscosity range is 2,500 – 8,000 cps.

Important: When applying Interior Defense™, proper personal protective equipment must be used. Necessary equipment and clothing are the same as would be used when applying other water-based paints or coatings. Ensure that the application area is well-ventilated during application to avoid buildup of vapors. Appropriate respiratory protection must be used when applying by airless spray. Use of a respirator with organic vapor cartridges is suggested if adequate ventilation cannot be achieved. After application of Interior Defense™, continue to ventilate the area with fresh, dry air to ensure proper drying of the coating and to exhaust odors. Ventilation should be continued until the odor is reduced to an acceptable level for building occupants.

CLEAN UP

Use fresh water to clean equipment before product dries. Dry product may be removed with undiluted pine oil or citrus-based cleaners or with nonflammable chlorinated solvents.

CUSTOMER SERVICE: (833) 849-3700

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

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