



Sheer Defense™

Mold Resistant Clear Sealer (40-51)

Product Data Sheet

PROPERTIES

COLOR:

White when wet, dries clear

APPLICATION CONSISTENCY:

Brush, spray, or roller

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

8.8 lbs./gallon (1.05 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

39% by weight (37% by volume)

COVERAGE:

Subject to type of surface and nature of material being coated. See application guide other side.

For Wood: 250-450 ft.²/gal. (6.1 to 11.0 m²/liter)

For Hard Non-Porous Surfaces: 500-600 ft.²/gal (12.3 to 14.7 m²/liter)

DRYING TIME (ASTM D1640):

Dry Through: 1 to 2 hours at ambient

High humidity or low temperatures will retard drying.

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-20°F to 250°F (-29°C to 121°C)

WATER VAPOR PERMEANCE:

ASTM F1249, 29.2 perms (19.2 metric perms) at 3 mils dry film. Tested at 100°F (38°C) and 90% RH.

SAFETY:

WET FLAMMABILITY (ASTM D92)

No flash to boiling, 210°F (99°C)

ATTRIBUTES

- Based upon a durable acrylic polymer for long service life.
- Provides a hard, mar resistant finish that will reduce dirt pick up.
- Seals water damaged surfaces
- Has excellent water resistance and will not blush once fully cured.
- Specially formulated with select EPA registered antimicrobial additives to provide long term protection against odor causing bacteria, mold and mildew on its surface.
- Can be used over a variety of surfaces such as bare wood, painted surfaces, wall board, masonry, brick, tile, grout and metal.
- Easy to clean and highly resistant to staining caused by chemicals, mold or mildew.
- Non-hazardous to apply and use.
- Can be used for industrial, commercial, residential, hospital and school applications.
- Meets requirements for LEED IEQ 4.2 Low-Emitting Materials, Paints and Coatings. VOC: 92 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. 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. For interior use only and not recommended for exterior applications exposed to sunlight.

DO NOT DILUTE.**STIR WELL BEFORE USING.**

U.S. Patent No. 6,342,556

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APPLICATION GUIDE FOR FOSTER® SHEER DEFENSE™ (40-51)

MATERIAL 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. Weathered wood substrates need to be sanded down to a sound surface. On painted surfaces, remove all flaking, loose or chalking material. Sand all glossy painted surfaces using 220-grit sandpaper to roughen the entire area.

APPLICATION: Apply evenly to wooden surfaces at the rate of 250-450 ft.²/gal. (6.1-11.0 m²/l) until a uniform film remains on the surface. It can be used at higher coverages on hard non-porous surfaces of up to 600 ft.²/gal (14.7 m²/l) such as tile, metal, or finished concrete. Spraying or brushing will give the smoothest surfaces. For optimum performance maintain uniform recommended coverage. To assure the aesthetic appearance, apply product to a small test area prior to complete application. Not recommended for use on floors in high traffic areas.

SPRAY EQUIPMENT: Foster® Sheer Defense™ (40-51) can be applied with virtually any type of airless spray equipment on the market today. Reversible cleaning 0.015" to 0.017" spray tips are recommended for optimum application. Average viscosity range 1200-1800 cps.

IMPORTANT: When applying Sheer 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 build-up 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 can not be achieved. After application of Sheer Defense, continue to ventilate the area 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: 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.**