

High Performance Elastomeric Wall Coating

For Professional Use Only

DESCRIPTION

- Highest performance, plasticizer-free, single component, water-based, 100% acrylic elastomeric coating for spray brush or roller application.
- Industry-leading tensile and elongation properties contribute to an extremely durable and long-lasting membrane with exceptional resistance to weathering.
- Exceptional crack bridging ability and excellent elongation recovery. Lower-quality products will bulge in crack situations due to poor recovery.
- Formulated utilizing special pigments and biocides to provide maximum UV resistance along with a polymer technology that sets the standard for flexibility and resistance to discoloration from dirt accumulation.
- Has excellent adhesion to most surfaces including metal, wood, and concrete.
- Has the unique ability to "breathe," providing a completely watertight membrane while allowing trapped moisture to escape.

RECOMMENDED USES

Forticoat Wall is designed as a dirt-resistant, elastomeric wall coating, with exceptional crack-bridging properties for most surfaces including masonry, wood, and galvanized metal. Check with your FortiSystems representative for primer recommendations.

Property	Test Method	Result
Volume Solids	ASTM D-1653	50.0 $\pm$ 3%
Weight Solids	ASTM D-1644	62.0 $\pm$ 2%
Tensile Strength	ASTM D-2370	500 $\pm$ 50 PSI
Elongation	ASTM D-2370	600 $\pm$ 50%
Permeability	ASTM D-1653	14 $\pm$ 3
Tear Resistance	ASTM D-624	133 $\pm$ 3 PSI
VOC	EPA Method 24	< 50 g Liter
Low Temperature Flexibility (-15°, 1/2 in mandrel, 1000hrs weathering)		Pass
Hardness (Shore A)	ASTM D-2240	50 - 55
Viscosity		130 $\pm$ 10 KU
Density		11.0 lbs per gallon
Flashpoint		None
Shelf Life		6 months
Clean Up		Water

Colors/Tint Bases

Standard Colors: White, Gray, and Tan

Tint Bases: Pastel Base
Medium Base
Medium Dark Base

PACKAGING/SHIPPING INFORMATION

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum (208.2 liters)	Class 55
5 Gallon pail (18.9 liters)	Class 55

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SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, peeling coating, and other foreign matter.

For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the substrate. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

Masonry: Allow fresh masonry to cure a minimum of 30 days, For applications sooner prime with FortiPrime CP.

Metal: Rusty metal must be cleaned with a wire brush and primed with FortiPrime Metal.

Other: For other substrates, consult your FortiSystems representative.

APPLICATION

This product may be brushed rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, MATERIAL should be at least 70°F. Before applying an additional coat, the previous coat must be completely dry. This will take around 6 hours at 75 degrees. At lower temperatures, 24 hours may be necessary. If any contamination is present on the cured surface, it must be washed and completely dry before the application of subsequent coats.

Application Properties

Yield (1 gal to 100 sq ft)	8.0 dry mils
Dry Time (75° F)	90 mins @ 50% humidity
Recoat Window	>6 hrs
Complete Cure	30 days

COVERAGE RATE

Apply Forticoat Wall in two coats. Each coat at the rate of 1.0 gallons per 100 sq. ft. (16 wet mils). Surface texture and wind will affect applied mil thickness.

ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. As with any water-based product, it is optimal for the ambient temperature to be above 50°F. It is critical that the product not be applied if there is any possibility the ambient temperature could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before the product dries. In high humidity conditions, late afternoon applications should be avoided as overnight dew formation on an uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes

LIMITATIONS

The surface must be clean and dry. Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Forticoat Wall requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier.

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. Information sources include but are not limited to MSDS and product labels. More resources are available at polyurethane.org, sprayfoam.org, www.forti-systems.com, or by contacting your FortiSystems representative directly.

EQUIPMENT

Minimum requirements:

Brush

- Synthetic filament

Roller

- 1¼" nap roller

Spray

- 30:1 fluid to air ratio capable pump
- 2 1/2 gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths: (Largest diameter at pump)
 - 3/8 minimum 6 ft wip
 - 3/8 minimum I.D. up to 75 feet
 - 1/2 minimum I.D. up to 200 feet
 - 3/4 minimum I.D. over 200 feet
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
 - Reversible self-cleaning type
 - Orifice size of .027 to .039
 - Fan angle of 40° to 50°

Always use components rated for pump pressures.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. Users must contact Everest Systems LLC to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Everest Systems Products. We assume no responsibility for coverage, performance, or injuries resulting from use. Liability, if any, is limited to the replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY EVEREST SYSTEMS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.