

Elastomeric Wall Coating

For Professional Use Only

DESCRIPTION

- High quality, plasticizer-free, single-component, water-based, 100% acrylic elastomeric wall coating for spray brush or roller application.
- Excellent tensile and elongation properties contribute to a durable and long-lasting membrane with good resistance to weathering.
- Good crack bridging ability.
- Formulated to resist UV and provide good flexibility and very good elongation recovery.
- Contains dirt-pickup-resistant technology.
- 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 1000 is designed to provide a good balance of flexibility and dirt resistance for the protection of 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 $\pm$ 2%
Weight Solids	ASTM D-1644	63.0 $\pm$ 2%
Tensile Strength	ASTM D-2370	260 $\pm$ 20 PSI
Elongation	ASTM D-2370	210 $\pm$ 20%
Permeability	ASTM D-1653	16 $\pm$ 1
Tear Resistance	ASTM D-624	96 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		11.8 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

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.

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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Masonry: Allow fresh masonry to cure for a minimum of 30 days, 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, the material should be at least 75°F. Before applying an additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface, it must be washed and completely dry before 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 1000 at the rate of 2.0 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. The product must not be applied when the ambient temperature is below 50°F or if there is any possibility it 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 1000 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, www.fortisystems.com, or by contacting your FortiSystems representative directly.

EQUIPMENT

Minimum requirements:

Brush

- Synthetic filament

Roller

- 1 1/4" 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.

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