



1650 Elastomeric Roof Finish

CODE: 901000 Exterior

Description

Weather Barrier 1650 Elastomeric Roof Finish utilizes exclusive water-borne, synthetic rubber, Acrylic/Aliphatic Urethane technology in a liquid applied, seamless, surface conforming, self adhering roofing membrane. *Weather Barrier 1650* provides the tenacious adhesion, permanent flexibility and ultra-violet resistance of an acrylic, plus the unrivaled durability, and chemical resistance of an aliphatic urethane that is combined to ensure durability. *Weather Barrier 1650* has been developed and proven to be a superior protective waterproof roofing membrane for industrial, commercial, residential and agricultural structures.

Technical Data

Type	Acrylic / Urethane
Theoretical Coverage	607 sq ft per gallon per 1 dry mil
Recommended DFT per Coat	6.1 mils DFT
Recommended Coverage per Coat	100 sq ft per gallon
Gloss	Low Lustre
Weight per Gallon	10.1 ± 0.2 pounds
Viscosity	125 - 130 KU
Solids: by Volume	37.9 ± 1%
by Weight	48.8 ± 1%
Elongation ASTM D2370	2200 ± 25%
Tensile Strength ASTM D2370	100 ± 25 psi
Accelerated Weathering (1000 hrs)	
Tensile / Elongation ASTM D6083, D4798)	Pass, no cracking, no checking
Water Permeance ASTM D1653	41.8 perms
VOC	0.9 lbs. per gallon
Flash Point	None
Colors	White, Gray, Patina Green, Tile Green, Tile Red, Beige, Brown and Black; also available in tintable bases, White through Neutral
Packaging	Gallons, 5-Gallon, 55-Gallons

Features

Elastomeric: *Weather Barrier 1650* remains flexible in severe weather conditions. Elastic and rubber-like, it flexes to surface expansion and contraction, due to temperature changes. It resists cracking even when exposed to extreme high and low temperature conditions.

Energy Saver: *Weather Barrier 1650's* brilliant white maximizes solar reflectivity. It reduces summer heat build-up and roof surface temperature by as much as 60 degrees. *Weather Barrier 1650* (white) can virtually eliminate thermal shock and roof movement when applied over metal roofing, a major cause of leaks.

Waterproof: The Acrylic/Aliphatic Urethane formula creates a closed cell membrane that completely seals and waterproofs. Critical areas at terminations, around protrusions and all stress areas can be additionally reinforced to provide extra protection against movement with Weather Barrier polyester mesh and Weather Barrier 1750, a heavy duty rubberized flashing material.

Adhesive: Adhesion to properly prepared surfaces is outstanding. Additional layers applied to previous layers are impossible to separate. Intercoat adhesion of future coats is great.

Chemical and Weather Resistant: *Weather Barrier 1650* is resistant to common industrial chemicals, acid rain and other VOC compounds. It exceeds 2,000 hours of accelerated weather exposure using ultra violet light and water condensation.

Lightweight: *Weather Barrier 1650* adds only 5 lbs. per coat per 100 sq ft to the roof load. No ballast is required.

Weather Barrier, Inc.

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Surface Preparation

All substrates to be coated must be pressure washed clean, dry and sound. Loose, flaking or powdery rust, dirt, gravel and other surface contaminants not removed with power washing must be completely removed before priming.

Refer to the Weather Barrier Specification Guidelines for detailed instructions on how to prepare specific substrate types. Refer to section 1.09 of the Specification Guidelines for treatment of Seams, Fasteners and Flashing repair.

Primers

Weather Barrier 1650 is designed to be applied over Weather Barrier 1530 Base Coat as part of a system.

METAL: Rusted areas must be treated with Weather Barrier 5003 Rust Inhibiting Primer to prevent further metal deterioration.

SHINGLES, WOOD: Weather Barrier 1850 Primer/Sealer

MASONRY: Weather Barrier 1850 Primer/Sealer

Application

Apply by brush, roll or airless spray. If rolling, apply the paint generously making sure to work the paint into all cracks and voids. In order to insure a waterproof coating, be sure to apply at the recommended spread rate.

AIRLESS SPRAY: Apply using a piston pump having a flow rate of 1 1/4 GPM or higher, and able to deliver 3000 psi.

Tip Size: Can vary between .023 - .031". Recommended tip is #627

Airless hose: 1/4" or 3/8" I.D.

High Pressure Filters: 30 Mesh

Clean Up

Clean up all tools and equipment, promptly, with warm soapy water. Flush spray equipment with paint thinner or mineral spirits to prevent rusting.

Drying Time

At 77 °F and 50% relative humidity:

To Touch: 2 - 4 hours

To Recoat: 6 - 12 hours

This will vary depending on weather and application conditions.

Special Information

Do not allow to freeze. Do not store sealed container in prolonged sunlight. Do not apply when surface temperature is below 50 °F or ambient temperature is above 90 °F. Do not apply if ambient temperature will drop below 32 °F or dew will settle before finish is dry. Do not apply if rain is predicted within 48 hours. Do not apply to areas that pond water for more than 48 hours.

Right to Know & Safety

The label complies with all applicable Right to Know laws. For information on safety hazards associated with this product please refer to MSDS sheets.

Warranty

This product will perform as claimed if directions are followed. Since we cannot control conditions or methods of use, the warranty is limited to replacement or refund value of this product actually used. This warranty does not include labor or labor costs.

