

XTREME WEATHER-BLOCK



XTREME WEATHER-BLOCK is a 100%, acrylic, elastomeric, waterproof membrane and air barrier designed for use as a water-resistive barrier behind exterior claddings including thin-stone veneer application. May be applied by roller, brush or suitable spray equipment.

- Water-resistive barrier coating for application to concrete, CMU, brick, cement board sheathing, CDX plywood, OSB and glass mat sheathing
- Extremely flexible
- Bridges existing cracks and can accommodate small movements up to 1/32 inch
- Bridges 1/4 inch gaps at sheathing board joint with WB Sheathing Joint Tape embedded
- VOC compliant

Waterproof Membrane	Apply by roller, brush or suitable spray equipment
Packaging	5G pail (36/pallet)
Coverage per 5G pail	Plywood (2 coats) = 250-300 ft ² CMU (2 coats) = 175-200 ft ² UT Basecoat/smooth finish (1 coat) = 350-400 ft ²
Application Temperature	Ambient & surface temperature must be 40°F or above and will not fall below that for 48 hours
Mixing	Stir to a uniform consistency while avoiding air bubbles or foam to form
Dry Time	1-4 hours depending on temperature, humidity and substrate
Color	Light Blue



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XTREME WEATHER-BLOCK is a 100% acrylic, elastomeric, waterproof membrane and air barrier designed for use as a water-resistive barrier behind exterior claddings and thin-stone veneer applications.

USES AND ADVANTAGES

- Water-resistive barrier coating for application to concrete, CMU, brick, cement board sheathing, exterior-grade gypsum sheathing, CDX plywood, OSB and glass mat sheathing
- Extremely flexible
- Bridges existing cracks and can accommodate small movements up to 1/32 inch
- Bridges 1/4 inch gaps at sheathing board joints with XWB Joint Tape embedded
- Water based
- VOC compliant
- Light blue color

SURFACE PREPARATION

All surfaces to be repaired or coated must be structurally sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.**

MIXING

Use clean equipment for mixing and preparation. Stir Xtreme Weather-Block to a uniform consistency while avoiding air bubbles or foam to form. For some spray applications it may be necessary to thin Xtreme Weather-Block slightly. Use only clean potable water and add sparingly, never more than 16 oz (0.5L) per pail, because thinning can reduce film thickness. No additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc. should be added under any circumstances.

APPLICATION

Install the substrate according to manufacturer's recommendation. Xtreme Weather-Block is easily applied with roller, brush or suitable spray equipment.

Roller Application

Use 3/4 inch to 1-1/4 inch (19-32mm) nap roller designed for applying latex paints. Apply Xtreme Weather-Block approximately 6 inches (150mm) wide centered over:

- Sheathing joints
- Gaps in sheathing up to 1/4 inch (6mm) wide
- Open holes up to 1 inch (25mm) across
- Back flanges of flashings and track

Immediately place the XWB Joint Tape centered in the wet Xtreme Weather-Block. Run a trowel or taping knife over the XWB Joint Tape to embed it and into the wet Xtreme Weather-Block. Do not let Xtreme Weather-Block skin over before applying and embedding XWB Joint Tape. Work in small enough areas to ensure that Xtreme Weather-Block is wet when XWB Joint Tape is embedded in it. If Xtreme Weather-Block does skin over before embedding XWB Joint Tape, scrape off semi-liquid Xtreme Weather-Block or let it dry and re-apply. Correct larger gaps and holes by replacing sheathing. After XWB Joint Tape is completely embedded, apply Xtreme Weather-Block over the entire outer sheathing surface, at a rate of not more than 100 ft² per gallon (2.4 m² per L), approximately 10-12 wet mils. Normal irregularities in the profile, will occur in OSB, plywood, cement board and CMU, therefore a variation in dry film thickness is normal. The transparency of the dry Xtreme Weather-Block is not an indication of the thickness.

Spray Application

When spraying Xtreme Weather-Block, a sprayer flow rate of 1.2 - 2.2 GPM is recommended with a tip size of 527-531. Up to 1 gallon of water per 5 gallons of Xtreme Weather-Block may be required depending on the sprayer, but not more. After Xtreme Weather-

Block has been thinned with water, run product through a fine mesh paint strainer to remove any small impurities the can clog the tip. Remove the in line filter located in the handle of the spray gun to improve the flow rate.

LIMITATIONS

- Ambient and surface temperatures must be 40°F (4°C) or higher during application and drying time
- Provide supplemental heat and protection from precipitation as needed
- Use only on surfaces that are sound, clean, dry, and free from any residue which may affect the ability of the Weather-Block to bond to the surface
- Not for use below grade
- Not for water immersion
- Xtreme Weather-Block may be left unprotected on the wall for up to six months, however, the surface must be clean of all dirt and contaminants before the application of adhesives

COMPOSITION

- Binder base: 100% acrylic elastomeric polymer with surface hardening property
- Water based VOC compliant
- Solids by Weight: 68%
- Solids by Volume: 54%
- Appearance: Flat, non-gloss smooth finish

EVALUATION/TESTING

- ABAA Evaluated - ASTM 2537 Compliant
- ASHRAE 90.1 Compliant
- ASHRAE 189.1 Compliant
- ICC Code Recognition
- ESR 2045 Compliant

CONTAINER

55 lb (25.0 kg) net weight in plastic pails. Protect from sun and freezing at all times. Do not stack pails more than 3 pails high.

DRYING TIME

Typically 1– 4 hours depending upon temperature, humidity and substrate.

CLEAN-UP

Water soluble prior to drying. Clean tools and containers with water prior to drying.

WARNING!

Do not take internally. Harmful if swallowed. If swallowed, get prompt medical attention. In case of contact with eyes or skin, flush with plenty of water. If irritation persists, seek medical attention. Gloves and eye protection are recommended when using this product. Read product data sheet and Safety Data Sheet (SDS) before using this product which may be obtained from your retailer or by calling 978-453-8881 or by visiting our website at www.umaco.com.

24 Hour Emergency Medical/Spill Information (Chemtrec):
800-424-9300

KEEP OUT OF THE REACH OF CHILDREN!

WARNING! If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.**

Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead. Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**For technical assistance call
978-453-8881**

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.



2018

Sheathing	Minimum coats (average) required for full coverage	Avg. Coverage per Coat	Avg. Coverage per Pail	Application Notes
Embedding 4" Wide XWB Joint Tape			500 lineal feet	
Fiberglass Faced & Exterior Grade Gypsum Sheathing	One coat	350-400 ft ²	350-400 ft ²	Thicker applications can cause running and dripping of the product
Plywood PS-1 C/D or PS-2 C/D	Two coats	500 ft ²	250-300 ft ²	Normal irregularities in the profile will produce variation in dry film thickness.
Plywood PS-1 C plugged (or better)	One coat	350-400 ft ²	350-400 ft ²	Thicker applications can cause running and dripping of the product.
Oriented Strand Board (OSB)	Two coats	500 ft ²	250-300 ft ²	The edges of the exposed wood strands can sometimes swell from the application of the Xtreme Weather-Block causing breaks in the coating which must be touched up before application of the cladding.
Fiber-Mat Reinforced Cementitious Backer Units	Two coats	500 ft ²	250-300 ft ²	
Cast or Precast Concrete	One coat	350-400 ft ²	350-400 ft ²	If void exists, they must be filled or leveled with U-Trowel Basecoat before application of the Xtreme Weather-Block.
Concrete Masonry Units	Two coats One coat after skimming with U-Trowel Basecoat	350-400 ft ² 350-400 ft ²	175-200 ft ² 350-400 ft ²	If void still exists after two coats, additional coats may be necessary. Coverage is dependant upon porosity.

Xtreme Weather-Block Testing	Method	ICC and ASTM E2570 Criteria	Results
Accelerated Weathering	AC 212	25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.	Pass: No Water penetration
Air infiltration	ASTM E2178	Calculated flow rate at 75 Pa (1.57 lb/ ft ² , 0.3 in H20) = < 0.02 L/m ² *s (< 0.004 cfm/ft ²)	< .00001 L/m ² *s (0.00001 cfm/ft ²) at 75 Pa (1.57 lb/ft ² , 0.3 in H20)
Air Leakage of Air Barrier Assemblies	ASTM E2357	ASTM E2357	Pass: <0.2 L/s.m ² at 75 Pa (<0.04 cfm/ft ² at 1.57 psf)
Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft ²
Elongation	ASTM D412	No Criteria	360%
Tensile Bond	ASTM D4541	> 15 psi	28 psi
Freeze-Thaw Resistance	ASTM E2485	10 Cycles	Pass: No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127	Resist 21.6 in (55 cm) water for 5 hours before and after aging	Pass: No water penetration
Nail Seal ability, Head of Water	ASTM D1970	No Criteria	Pass: 5 inches of water
Evaluation of Fire Propagation	NFPA 285	In Accordance with IBC Chapter 26	Meets requirements for use on all types of construction
Radiant Heat Exposure	NFPA 268	In Accordance with IBC Chapter 26	No ignition upon 20 minute radiant heat exposure at 1.25 w/cm ²
Racking	ASTM E72	Defection at 1/8 inch (3.2 mm)	Pass: No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 /ASTM E2570	5 Cycles of wetting and drying	Pass: No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	10 Cycles @ 80% design load	Pass: No cracking at field, joints or flashing connection
Surface Burning Characteristics	ASTM E84	Flame Spread < 25, Smoke Developed < 450	Flame Spread = 0, Smoke Developed = 0
Tensile Bond Strength	ASTM E2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Water Resistance	ASTM D2247	14 Days	Pass: No Deleterious Effects
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass: 25.4 psf (1216 Pa) for 165 minutes
Water Penetration	ASTM E331	Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes	Pass: No Water Penetration
Water Vapor Transmission	ASTM E96 Procedure B	Vapor Permeable	12.0 perms

Xtreme Weather-Block Testing	Method	ICC and ASTM E2570 Criteria	Results
Weathering	ICC ES AC 212 /ASTM E2570	210 hours of UV Exposure, 25 cycles of accelerated weathering, 21.6 inches (549 mm) water column for 5 hours	Pass
Wind Driven Rain	F.S. TT-C-555B	No Criteria	Pass
VOC	EPA Reference Test Method 24	US EPA, South Coast AQMD and Greenseal Standard	10 g/L (Meets SCAQMD Rule 1113)
Regional Harvest		LEED MRc 5.1	100% at all facilities

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