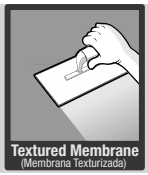
WESTERN BLENDED PRODUCTS
The Plasterer's Standard

WBP Weather Guard

A flexible polymer based air / water resistive barrier for EIFS & Stucco Systems.

- *Low VOC*
- *Dries quickly*
- *For EIFS & Stucco Systems*

Use for:



WRB Weather Resistive Barriers

WBP

Description:

WBP Weather Guard is a flexible, polymer based, non-cementitious, air/waterresistive barrier, which resists water penetration, eliminates air infiltration, and is vapor permeable. It is classified as a Class III vapor retarder over vertical above grade walls. WBP Weather Guard is available in three versions:

- WBP Weather Guard - Textured is applied using a trowel, roller, or texture spray equipment.
- WBP Weather Guard - Smooth is applied by roller or texture spray equipment.
- WBP Weather Guard - Sprayed is applied by airless spray equipment.

Uses:

WBP Weather Guard – Textured, Smooth and Sprayed are designed for use with WES EIFS 24 Systems as well as other building cladding systems. When used with the WBP Weather Flash System WBP Weather Guard provides an effective air barrier and water-resistive membrane for acceptable substrates.

Benefits:

WBP Weather Guard is a low VOC waterbased product used straight out of the pail after an initial spin up to provide a continuous membrane with ease of application. The liquid applied coating dries quickly and serves as an excellent surface for adhesively attaching EPS. WBP Weather Guard is seamless and will not tear. Additionally, it is stable under air pressure differences and will not be affected by wind.

Packaging:

- WBP Weather Guard – Textured and Smooth are supplied in 5 gal (19 L) pails.
- WBP Weather Guard – Sprayed is supplied in a 5 gal (19 L) pail or in a 55 gallon (280 L) drum.

Coverage:

- WBP Weather Guard – Textured and Smooth are supplied in a 5 gal (19 L) pail.
- WBP Weather Guard – Sprayed is supplied in a 5 gal (19 L) pail or in a 55 gallon (280 L) drum.

Coverage will vary, depending on application method and substrate. Refer to WES EIFS 24 Application Instructions Document, Section D.

Properties:

Working Time – WBP Weather Guard-Textured, Smooth and Sprayed are non-cementitious, water based materials and will not set-up in the pail. Keep pail covered when not in use to minimize skinning. Drying Time – The drying time is dependent upon the air temperature, wind conditions and relative humidity. Under average drying conditions [70 °F (21 °C), 55% R.H.], WBP Weather Guard will be dry to the touch within 2 hours and cure in 6 hours.

Testing Information:

Refer to WES EIFS 24 System Specifications Document, Section D.1.a.

Job Conditions:

Air and surface temperature for application of WBP Weather Guard must be from 40 °F (4 °C) minimum to 100 °F (38 °C) maximum and must remain so for a minimum of 12 hours.

Temporary Protection:

Shall be provided at all times until membrane is dry and shall not be exposed to weather for longer than 180 days prior to installation of the specified cladding.

Acceptable Substrates:

All sheathing substrate joints must be treated with Grid Tape and WBP Weather Guard - Textured prior to application over the full sheathing surface. Acceptable substrates include:

- Core treated exterior grade gypsum sheathing meeting ASTM C 1396 (formerly C 79).
- Core treated exterior grade gypsum sheathing with fiberglass mat facers meeting ASTM C 1177.
- Exterior fiber reinforced cement or calcium silicate boards.
- APA Exterior or Exposure 1 Rated Plywood, Grade C-D or better, nominal 1/2 in (12.7 mm) minimum, installed with the C face out.
- APA Exterior Grade Fire Retardant Treated Plywood, nominal 1/2 in (12.7 mm) minimum, installed with the C face out.
- APA Exposure 1 Rated OSB, nominal 1/2 in (12.7 mm) minimum. Note: Applications over OSB sheathing requires a minimum of 2 coats of WeatherGuard – Smooth or Spray. WeatherGuard – Texture is not recommended for the field of wall application over OSB.
- Unpainted, unsealed concrete and CMU.

Continue on page 2.

Warranty:
Manufacturers or Western Blended Products (WBP) warrants its products to be of merchantable quality and suitable for the general purpose for which they were intended, when applied in accordance with WBP instructions. Manufacturers of WBP do not warrant its products to be suitable for any purpose or use other than for which they were intended. Liability under this warranty is limited to supplying new material without charge, or at manufacturers of WBP option, to a refund of the purchase price. In the event of a claim under this warranty, written notice must be given to the originating plant of the WBP goods at the address shown hereon. This limited warranty is issued and accepted in lieu of all other expressed warranties, and expressly excludes liability for consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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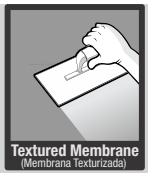

WRB Weather Resistive Barriers

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Surface Preparation:

Sheathing board gaps shall not exceed 1/4 in (6.4 mm) and the surface must be flat within 1/4 in (6.4 mm) in any 4 ft (1.2 m) radius. CMU mortar joints shall be struck flush (tooled mortar joints and heavily textured CMU [not split faced] shall be skimmed with BPS 24 prior to application of the WBP Weather Guard – Textured or Sprayed. CMU shall be clean, unpainted and free of efflorescence. All substrates shall be dry and free of foreign materials such as dirt, dust, oil, paint, wax, water repellants or other materials that inhibit adhesion. All substrate transitions and gaps between openings and penetration components such as windows, doors, electrical boxes, etc., shall be treated with WBP Weather Guard - Textured or WBP Weather Flash System. Any sealants used shall be tested for compatibility and comply with ASTM C 920. All opening terminations, roof/wall intersections, transitions between different materials, chimneys, decks, roof, windows, etc., must be properly flashed, wrapped and sealed as required by the building code, good construction practice and/or WBP Weather Guard Application Instructions contained in the WES EIFS 24 Application Instructions Document.

Mixing:

Material is ready for use after an initial spin-up using a drill with paddle mixer. WBP Weather Guard Application Refer to the WES EIFS 24 Application Instructions chart for the appropriate use and application technique for a given substrate.

Clean Up:

Clean tools with water while material is still wet.

Storage:

WBP Weather Guard must be stored at a minimum of 40 °F (4 ° C) and a maximum of 100 °F (38 °C) in tightly sealed containers protected from weather and out of direct sunlight.

Cautions and Limitations:

Apply to acceptable substrates only. Avoid applying WBP Weather Guard in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material. CMU - Application over unpainted concrete and CMU requires one of the following:

- Two coats of WBP Weather Guard - Textured, sprayed or roller-applied.
- Two coats of WBP Weather Guard - Sprayed.
- One coat of WBP Weather Guard – Textured, trowel applied.

Shall not be used below grade or on surfaces that will be subjected to water immersion. Shall not be used to treat holes or sheathing joints exceeding 6.4 mm (1/4 in). When used beneath Portland cement stucco or adhered stone products, paper backed lath shall be installed over WBP Weather Guard as a slip sheet. WBP Weather Guard can be exposed to weather up to 180 days to provide sufficient time for installation of the cladding. Inspect the surface of the WBP Weather Guard for any damage, cracks, voids or other detrimental conditions and repair prior to installation of the cladding. The WBP Weather Guard surface shall be clean, dry and free of any detrimental conditions that may affect adhesion.

Technical Information:

Available on request.

Continue on page 3.

Specifications for this product are based on optimal environmental conditions (70°F ambient temperature with 50% humidity) for preparation, mixing, application and curing. Specification parameters may vary as environmental conditions change. Consult the product's Safety Data Sheet or GHS Section located on the product package for hazard identification and first aid measures. **KEEP OUT OF REACH OF CHILDREN.**

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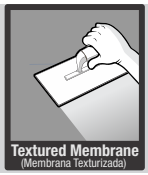

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WBP Weather Guard - Textured, Smooth & Spray Testing.

Test	Test Method	Criteria	Results
Surface Burning Characteristics	ASTM E 84	ICC and ANSI/EIMA 99-A-2001 Flame Spread <25 Smoke Developed <450	Passed
Flexibility	ASTM D 522 Method B	No ICC or ANSI/EIMA Criteria	No cracking at 2 mm diameter
Water Vapor Transmission	ASTM E 96 Procedure B ICC ES (AC212)*	ICC: Vapor Permeable No ANSI/EIMA Criteria	Vapor Permeable
Freeze-Thaw Resistance	ASTM E 2485/ICC-ES Procedure (AC212)*	ICC: 10 cycles No deleterious effects[1]	Passed - 10 cycles: No deleterious effects[1]
Water Resistance	ASTM D 2247 ICC ES (AC212)*	ICC: 14 days exposure No deleterious effects[1]	No deleterious effects[1] after 14 days exposure
Tensile Strength and Elongation	ASTM D 2370	No ICC or ANSI/EIMA Criteria	Tensile strength: 160 psi Elongation: 16.8%
Wind Driven Rain	Fed TT-C-555	No ICC or ANSI/EIMA Criteria	No water penetration
Nail Sealability	ASTM D1970	No ICC or ANSI/EIMA Criteria	Passed ABAA Criteria
Air Leakage	ASTM E 283	No ICC or ANSI/EIMA Criteria	0.002 cfm/ft^2 (0.01 l/sec/m^2)
Air Permeance	ASTM E 2178	No ICC or ANSI/EIMA Criteria	1.2x10^{-4} cfm/ft^2 @ 1.6psf (0.0006 l/s/m^2 @ 75Pa)
Air Barrier Assembly	ASTM E 2357	No ICC or ANSI/EIMA Criteria	<0.001 cfm/ft^2 @ 6.24 psf (0.05 l/sec m^2 @300 Pa)
Structural Performance	ASTM E 1233 Procedure A ICC ES (AC212)*	ICC: Minimum 10 positive cycles at 1/240 deflection; No cracking in field, at joints or interface with flashing.	Passed
Racking	ASTM E 72 ICC ES (AC212)*	ICC: No cracking in field, at joints or interface with flashing at net deflection of 1/8 in (3.2 mm)	Passed
Restrained Environmental	ICC-ES Procedure ICC ES (AC212)*	ICC: 5 cycles; No cracking in field; at joints or interface with flashing	Passed
Water Penetration	ASTM E 331 ICC ES (AC212)*	ICC: No water penetration beyond the inner-most plane of the wall after 15 minutes at 2.86 psf (137 kPa)	Passed
Tensile Bond	ASTM C 297/E 2134 (formerly EIMA 101.03) ICC ES (AC212)*	ICC and ANSI/EIMA 99-A-2001 Minimum 15 psi (104 kPa)	Substrates: Minimum 19 psi(131kPa) Flashing: Minimum 431 psi (2970 kPa)
Weathering			
UV Exposure	ICC ES Proc. / ICC ES (AC212)*	ICC: 210 hours of exposure	Passed
Accelerated Aging	ICC ES Proc. ICC ES (AC212)*	ICC: 25 cycles of wetting and drying	Passed
Hydrostatic Pressure Test	AATCC 127 ICC ES (AC212)*	ICC: 21.6 in (549 mm) water column for 5 hours	Passed

*AC212 – Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers over Exterior Sheathing, also referred to as ASTM E 2570

1. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnication

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