

DELIVERS A MORE EFFECTIVE, PERMANENT AND COMPLETE WEATHER-RESISTANT BARRIER THAN EVER POSSIBLE WITH ANY TYPE OF HOUSEWRAP PRODUCT!



BEFORE

Sheathing system is exposed to moisture and the elements, allowing water to penetrate.



AFTER

Sheathing system is completely protected against moisture by a permanent, uninterrupted barrier.

PROTECTS WALLS FROM LIQUID MOISTURE

in the form of rain, sleet and snow, but also reduces condensation in interior wall cavities, which could lead to reduced insulation effectiveness, mold and mildew.

PERMEABLE MEMBRANE

allows for the passage of moisture vapor to enable drying to the outside or inside – the foundation for a better building envelope.

REDUCES AIR PASSAGE THROUGH THE EXTERIOR WALLS

providing a more comfortable and energy-efficient home.

COMPLETELY AND PERMANENTLY ADHERED MEMBRANE

applies directly to the sheathing system to prevent blow-offs in high winds. Liquid moisture cannot seep or flow between Enviro-Dri and the sheathing, unlike traditional mechanically-fastened housewraps. No need to worry about tears and rips caused by other sub-trades. Requires no mechanical fasteners that penetrate sheathing; once it's installed, Enviro-Dri WRB stays in place as long as the sheathing is in place.



Seals sheathing joints, preventing air and water infiltration & damage.



Uniformly coats and protects sheathing from liquid moisture penetration, but allows vapor to escape.

PERMANENT | **COMPLETE** | **EFFECTIVE**
protection | coverage | barrier

BETTER PERFORMANCE | GREATER VALUE

Results of IBC & IRC Code Testing

TEST	METHOD	CRITERIA	RESULTS
Water-Penetration Resistance	ASTM E331	Treated panel with joints must not leak when tested against continuous water spray of 5 gallons per sq ft per hour, and exposed to negative air pressure on the reverse side to assure no leaks through joints	Wall panels PASSED with no visible water penetration at sheathing joints or any other location – TREATED WALL WILL NOT ALLOW LIQUID MOISTURE TO PENETRATE
Water Damage Resistance	ASTM D2247	Tested sample with joints must not show signs of cracking, crazing, blistering during 2-week exposure to 100° F, 100% RH.	Samples PASSED . No blistering, crazing, cracking observed – HIGH HEAT & HUMIDITY DO NOT AFFECT PERFORMANCE
Permeability (Water-Vapor Transmission)	ASTM E96	Membrane sample tested to determine permeability – the ability of the membrane to allow moisture vapor to pass through	Field Membrane = 12 PERMS. LIQUID MOISTURE BLOCKED, MOISTURE VAPOR CAN PASS THROUGH
Weathering	AC212, Section 10.1 and 10.2; AATCC 127	After 21 days of testing, samples must not show cracking or bond failure of the coating, nor leak during 5-hours of 22" of hydrostatic head pressure testing (22" of hydrostatic head pressure equivalent to 200 MPH wind-driven rain)	Samples PASSED , including resistance to 22" of hydrostatic head pressure (equal to 200 MPH wind-driven rain) – SYSTEM PERFORMS UNDER THE MOST RIGOROUS ENVIRONMENTAL CONDITIONS
Structural, Racking and Restrained Environmental Conditioning	ASTM E72; ASTM E1233; ASTM E72; ASTM E331	Treated wall panel with joints subjected to severe transverse and shear deflection, followed by 5 cycles each of 24 hours of water spray and 120° F radiant heat; Samples must not show signs of cracking or tears at joints, nor leak when subjected to water spray with a pressure differential of 2.86 psf.	PASSED all criteria with no visible cracking or tearing and no leaks – SEVERE STRUCTURAL RACKING AND AGING DID NOT AFFECT PERFORMANCE OF SYSTEM
Freeze-Thaw Stability	AC 212, section 4.2	Samples with joints must not show checking, crazing, delamination or erosion under 5X magnification after exposure to ten cycles of 120° F for 8 hours, total immersion in water for 8 hours, followed by 6 hours at -20°F	All samples PASSED – SYSTEM PROTECTS SHEATHING FROM DAMAGE CAUSED BY MOISTURE PENETRATION IN EXTREME HOT AND COLD CYCLES
Adhesion to Sheathing & Flashing	ASTM C297	Samples must show strong adhesion of membrane to flashing materials and substrates when applied to substrate with and without joints. Passing requires minimum of 15 pounds per square inch of adhesive strength	PASSED at over 30 pounds per square inch of adhesive strength, or exceeded strength of substrate – SYSTEM IS PERMANENTLY ADHERED TO SHEATHING AND FLASHING, PROVIDING LONG-TERM PROTECTION
Air Leakage Under Wind Load (Air Pressure)	ASTM E-283	Treated wall assembly must resist air leakage (infiltration and exfiltration) through the wall assembly	Wall assembly treated with Enviro-Dri REDUCED THE AIR INFILTRATION BY OVER 90% as compared to a wall treated with housewrap, at pressures equivalent to wind loads up to 75 mph.

Source: Independent lab testing in accordance with ICC-ES AC212, Water-Resistive Barrier

Application Characteristics

	FIELD MEMBRANE
Application	Roll, Spray or Brush
Application Temperature	Min.: 0° F; Max.: 130° F (wall temp)
Application Thickness	12 – 15 wet mils (110 – 130 sq. ft. / gal)
Typical Cure Time¹	<30 min., dry to touch; <8 hours, dry (under normal conditions)

¹50° F and RH <50%

Your local Tremco Barrier Solutions Contractor:

TREMCO
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EnviroDri
WEATHER-RESISTANT BARRIER 

800.876.5624

www.tremcobarriersolutions.com