

Product Data Sheet



Product Description

Enviro-Dri provides exceptional performance as an air and water barrier to meet the high demands of multi-family construction. Enviro-Dri weather-resistive, air and water barrier system is designed to coat and permanently seal external sheathing and sheathing joints and prevent water passage and air infiltration/exfiltration. Enviro-Dri is highly durable and unaffected by high winds, wind driven rain and weatherization. Enviro-Dri stays in place as long as the sheathing stays in place.

Basic Uses

Enviro-Dri is typically applied to oriented strand board (OSB), plywood, glass-mat faced gypsum, impregnated fiber board (blackboard), fire treated OSB/plywood and concrete masonry units (CMU) as a vapor-permeable air and water resistive barrier.

Air and Water Barrier Performance

- Provides an air and water barrier with a vapor-permeable membrane
- Conforms with Air Barrier Association of America (ABAA) requirements to exceed Section C402.5.1.2 air leakage requirements when tested in accordance with ASTM E2357 and E2178
- Passes water penetration resistance test E331 stipulating that a treated wall will not allow moisture to penetrate when subjected to negative air pressure and 5 gal/sf/hour constant water spray
- Not affected by surfactants (like mortar contact)

High Performance Durability

- Resistance to water damage and weatherization
- Withstands freeze/thaw conditions
- Superior, permanent adhesion to the sheathing
- Withstands structural racking
- Engineered for use behind all cladding systems including brick, stucco, stone and all lap siding

Standard Color

Black

Packaging

Enviro-Dri Field Membrane:

52 gallon drums, 330 gallon totes.

Enviro-Dri Joint Fabric and Counterflashing: Box.

The Enviro-Dri System includes a complete line of tapes, flashings, and counterflashings to provide a single source manufacturer/supplier for all of your building envelope needs

ENVIRO-DRI ACCESSORIES	
	Roll Width
Enviro-Dri Counterflashing	5.33"
Enviro-Dri Window & Door	4"
	6"
Enviro-Dri Pan & Arch	6"
	8"
Enviro-Dri Pipe & Vent	4"
	6"
Enviro-Dri Brick Ledge	12"
	18"

Applicable Standards

Enviro-Dri has been independently tested and approved by the most rigorous testing protocol for liquid applied weather resistant barrier products (ICC AC212), air barrier material, assembly and water penetration testing per Air Barrier Association of America standards (ASTM E2178, E2357 & E331) and fire testing for NFPA 285.

Availability

Enviro-Dri is immediately available from your local Tremco Barrier Solutions Barrier Solutions Sales Representative or Contractor. Please contact Tremco Barrier Solutions for information.

Warranty

Enviro-Dri offers a 10-Year Limited Warranty.

Consult Tremco Barrier Solutions for warranty details.

TYPICAL PHYSICAL PROPERTIES	
PROPERTY	DESCRIPTION
Type	Polymer-modified asphalt emulsion
Color	Black
Application	Roll, spray or brush
Application Temperature	Min.: 0°F; Max.: 130°F (wall temp)
Application Thickness	12-15 wet mils (75 - 110 sq. ft./gal)
Typical Cure Time ¹	<30 min., dry to touch; <8 hours, dry (under normal conditions)
Water Vapor Permeance	12 perms

AIR BARRIER TESTING		
TEST	METHOD	RESULTS
Air Leakage of Barrier Material	ASTM E2178	PASSED 0.0024 cfm/ft ² at 1.57psf (75Pa)
Air Leakage of Barrier Assembly - Opaque Wall ²	ASTM 2357	PASSED ³ 0.0095 cfm/ft ² at 1.57psf (75Pa)
Air Leakage of Barrier Assembly - Penetrated Wall ²	ASTM 2357	PASSED ³ 0.0038 cfm/ft ² at 1.57psf (75Pa)

FIRE TESTING		
TEST	METHOD	RESULTS
Fire Resistance Test for Assemblies	NFPA 285	PASSED

WEATHER-RESISTANT BARRIER TESTING		
TEST	METHOD	RESULTS
Water-Penetration Resistance ⁴	ASTM E331	PASSED
Water Damage Resistance	ASTM D2247	PASSED
Permeability (Water-Vapor Transmission)	ASTM E96	12 PERMS
Weathering	AC212 Section 10.1 and 10.2; AATCC 127	PASSED
Structural Racking and Restrained Environmental Conditioning	ASTM E72; ASTM E1233; ASTM E72; ASTM E331	PASSED
Freeze-Thaw Performance	AC 212. section 4.2	PASSED
Adhesion to Sheathing & Flashing	ASTM C297	PASSED
Air Leakage Under Wind Load (Air Pressure)	ASTM E-283	Reduced Air Infiltration by over 90%

¹ 50° and RH <50%

² Passed at the highest level of conditioning. Contact TBS for details

³ Far exceeds ABAA requirements

⁴ Tested to 7.52 psf