



# ENVIRO-DRI® FLUID APPLIED AIR & WATER BARRIER

*For Multi-Family Construction*



**Enviro-Dri**®  
WEATHER-RESISTANT BARRIER



**TREMCO**

# Enviro-Dri®

WEATHER-RESISTANT BARRIER



## Product Description

Enviro-Dri® provides exceptional performance as an air and water barrier to meet the high demands of multi-family construction. Enviro-Dri is a vapor-permeable, fluid-applied, weather-resistive air and water barrier system 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.

## 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

## Complete System

- 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 Counterflashing
  - Enviro-Dri Window & Door
  - Enviro-Dri Pan & Arch
  - Enviro-Dri Pipe & Vent



# PRODUCT INFORMATION

## 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"

## INSTALLATION/APPLICATION

Refer to Enviro-Dri Installation Instructions for specific application details.

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	<30 min., dry to touch; <8 hours, dry (under normal conditions)

## 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.

## 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 the Air Barrier Association of America (ASTM E2178, E2357 & E331).

## Compatibility

Enviro-Dri is compatible with most flashings, tapes, caulks, and sealants as well as most types of exterior insulation. Consult Tremco with specific concerns/questions.

## Warranty

Enviro-Dri offers a 10-Year Limited Warranty. Consult Tremco for warranty details.

## Below Grade Waterproofing

Tremco offers a full line of below-grade waterproofing and drainage products including:

- **The TUFF-N-DRI® Waterproofing System, a fluid-applied waterproofing membrane combined with a durable fiberglass drainage/insulation board to protect the exterior foundation wall:**
  - Waterproofs
  - Insulates
  - Drains
  - Protects against backfill damage
- **TUFF-N-DRI Quick Cure membrane can be easily applied to a wet film thickness of up to 90 mils**
- **Fiberglass drainage/insulation board offered in R values from 3-15**
- **DrainStar® foundation drainage system offers a cost-effective substitute for conventional drain tile and gravel**

# TESTING DATA

## AIR BARRIER TESTING

TEST	METHOD	RESULTS
Air Leakage of Barrier Material	ASTM E2178	PASSED 0.0024 cfm/ft <sup>2</sup> at 1.57psf (75Pa)
Air Leakage of Barrier Assembly - Opaque Wall	ASTM E2357*	PASSED 0.0095 cfm/ft <sup>2</sup> at 1.57psf (75Pa) <sup>†</sup>
Air Leakage of Barrier Assembly - Penetrated Wall	ASTM E2357*	PASSED 0.0038 cfm/ft <sup>2</sup> 1.57psf (75Pa) <sup>†</sup>

\*Passed at the highest level of conditioning. Contact Tremco for details

<sup>†</sup>Far exceeds ABAA requirements

## WEATHER-RESISTANT BARRIER TESTING

TEST	METHOD	RESULTS
Water Penetration Resistance	ASTM E331	PASSED <sup>‡</sup>
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%

<sup>‡</sup>Tested to 7.52 psf

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