



DRAGO® WRAP VAPOR INTRUSION BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: FEB 4, 2025

1. PRODUCT NAME

DRAGO WRAP VAPOR INTRUSION BARRIER

2. MANUFACTURER

Stego Industries, LLC
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3. PRODUCT DESCRIPTION

USES: Drago Wrap Vapor Intrusion Barrier is specifically engineered to attenuate volatile organic compounds (VOCs) and serve as a below-slab moisture vapor barrier.

COMPOSITION: Drago Wrap Vapor Intrusion Barrier is a multi-layered plastic extrusion that combines uniquely designed materials with only high grade, prime, virgin resins.

ENVIRONMENTAL FACTORS: Drago Wrap Vapor Intrusion Barrier can be used in systems for the control of various VOCs including hydrocarbons, chlorinated solvents, radon, methane, soil poisons, and sulfates.

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF DRAGO WRAP VAPOR INTRUSION BARRIER

PROPERTY	TEST	RESULTS
Under Slab Vapor Retarders	ASTM E1745 – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	ASTM E1745 Compliant
Water Vapor Permeance	ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheet Using a Modulated Infrared Sensor	0.0069 perms
Push-Through Puncture	ASTM D4833 – Test Method for Index Puncture Resistance of Geotextiles, Geomembranes, and Related Products	183.9 Newtons
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheet	53.5 lbf/in
Permeance After Conditioning (ASTM E1745 Sections 7.1.2 – 7.1.5)	ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking ASTM E154 Section 11, F1249 – Permeance after heat conditioning ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning ASTM E154 Section 13, F1249 – Permeance after soil organism exposure	0.0073 perms 0.0070 perms 0.0062 perms 0.0081 perms
Benzene Permeation Coefficient	Aqueous Phase Film Permeation Testing	$4.5 \times 10^{-13} \text{ m}^2/\text{s}$
Toluene Permeation Coefficient	Aqueous Phase Film Permeation Testing	$5.1 \times 10^{-13} \text{ m}^2/\text{s}$
Ethylbenzene Permeation Coefficient	Aqueous Phase Film Permeation Testing	$3.1 \times 10^{-13} \text{ m}^2/\text{s}$
M&P-Xylenes Permeation Coefficient	Aqueous Phase Film Permeation Testing	$2.9 \times 10^{-13} \text{ m}^2/\text{s}$
O-Xylene Permeation Coefficient	Aqueous Phase Film Permeation Testing	$2.7 \times 10^{-13} \text{ m}^2/\text{s}$
TCE Permeation Coefficient	Aqueous Phase Film Permeation Testing	$9.8 \times 10^{-13} \text{ m}^2/\text{s}$
PCE Permeation Coefficient	Aqueous Phase Film Permeation Testing	$6.6 \times 10^{-13} \text{ m}^2/\text{s}$
MTBE Permeation Coefficient	Aqueous Phase Film Permeation Testing	$1.0 \times 10^{-15} \text{ m}^2/\text{s}$
DCM Permeation Coefficient	Aqueous Phase Film Permeation Testing	$4.5 \times 10^{-13} \text{ m}^2/\text{s}$
Naphthalene Permeation Coefficient	Aqueous Phase Film Permeation Testing	$2.5 \times 10^{-14} \text{ m}^2/\text{s}$
1,4-DCB Permeation Coefficient	Aqueous Phase Film Permeation Testing	$7.1 \times 10^{-13} \text{ m}^2/\text{s}$
Methane Transmission Rate	ASTM D1434 – Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheet	7.0 GTR** (mL(STP)/m ² *day)
Radon Diffusion Coefficient	K124/02/95	$9.8 \times 10^{-14} \text{ m}^2/\text{second}$
Thickness		20 mil
Roll Dimensions		14' x 105' or 1,470 ft ²
Roll Weight		150 lb

Note: perm unit = grains/(ft²*hr*in-Hg) **GTR = Gas Transmission Rate

Continued...

Note – legal notice on page 2.

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5. INSTALLATION

UNDER SLAB: Unroll Drago Wrap Vapor Intrusion Barrier over a tamped aggregate, sand, or earth base. Overlap all seams a minimum of 12 inches and tape using DragoSeal® Tape. All penetrations must be sealed using a combination of Drago Wrap Vapor Intrusion Barrier and Drago Accessories.

Drago Wrap should be installed below 110°F. Do not exceed 7 days between Drago Wrap installation and concrete placement or full protection from UV and weather exposure. Please review technical data sheets for Drago accessory products for installation/application temperature ranges.

Review Drago Wrap Vapor Intrusion Barrier's complete installation instructions prior to installation.

6. AVAILABILITY & COST

Drago Wrap Vapor Intrusion Barrier is available nationally through our network of building supply distributors. For current cost information, contact your local Drago distributor or Stego® Sales Representative.

7. WARRANTY

Stego believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego does not guarantee results from the use of the information provided herein. Stego does offer a limited warranty on Drago Wrap Vapor Intrusion Barrier. Please see stegoindustries.com/legal

8. MAINTENANCE AND STORAGE

Maintenance: None required.

Storage and Handling: Store between 40°F and 100°F. Do not allow to freeze.

Please refer to the Safety Data Sheet (SDS) for detailed safety, storage, and handling procedures.

9. TECHNICAL SERVICES

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego or by visiting the website.

Email: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: stegoindustries.com

10. FILING SYSTEMS: stegoindustries.com

