



# STEGO™ WRAP VAPOUR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 1 DEC 2017

## 1. PRODUCT NAME

**STEGO WRAP VAPOUR BARRIER**

## 2. MANUFACTURER

Stego Industries, LLC  
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## 3. PRODUCT DESCRIPTION

**USES:** Stego Wrap Vapour Barrier is used as a below-slab vapour barrier.

**COMPOSITION:** Stego Wrap Vapour Barrier is a multi-layer plastic extrusion manufactured with only high grade prime, virgin, polyolefin resins.

**ENVIRONMENTAL FACTORS:** Stego Wrap Vapour Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

## 4. TECHNICAL DATA

**TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP VAPOUR BARRIER**

| PROPERTY   | TEST   | RESULTS  |   |
|--|--|--|---|
| Under Slab Vapour Retarders                                      | ASTM E1745 Class A, B & C- Standard Specification for Water Vapour Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs | Exceeds Class A, B & C                         |   |
|  | <b>Permeance Units (perms):</b>  | ng/(m <sup>2</sup> *s*Pa)                      | gr/(ft <sup>2</sup> *hr*in-Hg)              |
| Water Vapour Permeance   | ASTM F1249 – Test Method for Water Vapour Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor              | 0.49   | 0.0086                                      |
| Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5) | ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking  | 0.56   | 0.0098                                      |
|  | ASTM E154 Section 11, F1249 – Permeance after heat conditioning  | 0.52   | 0.0091                                      |
|  | ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning   | 0.56   | 0.0097                                      |
|  | ASTM E154 Section 13, F1249 – Permeance after soil organism exposure   | 0.54   | 0.0095                                      |
| Methane Transmission Rate  | ASTM D1434 – Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting                              | GTR - 192.8 mL(STP)/m <sup>2</sup> *day        |   |
| Radon Diffusion Coefficient                                      | K124/02/95   | 8.8 x 10 <sup>-12</sup> m <sup>2</sup> /second |   |
| Puncture Resistance  | ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method   | 2,266 grams                                    |   |
| Tensile Strength   | ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting  | 12.4 kN/m (70.6 lbf/in)                        |   |
| Thickness  |  | 0.38 mm (15 mil)                               |   |
| Roll Dimensions  |  | width x length:                                | 4.3 m x 42.7 m (14' x 140')                 |
|  |  | area:  | 180 m <sup>2</sup> (1,960 ft <sup>2</sup> ) |
| Roll Weight  |  | 63 kg (140 lb)                                 |   |

Note: GTR = Gas Transmission Rate

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## 5. INSTALLATION

**UNDER SLAB:** Unroll Stego Wrap Vapour Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of 150 mm (6") and tape using Stego™ Tape or Stego™ Crete Claw™ Tape. All penetrations must be sealed using a combination of Stego Wrap and Stego accessories.

For additional information, please refer to Stego's complete installation instructions.

## 6. AVAILABILITY & COST

Stego Wrap Vapour Barrier is available through our network of building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' Sales Representative.

## 7. WARRANTY

Stego Industries, LLC 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 Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. NO WARRANTY, EXPRESS, IMPLIED OR STATUTORY, IS GIVEN AS TO THE MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE WITH RESPECT TO THE PRODUCTS REFERRED TO. Please see [www.stegoindustries.com/legal](http://www.stegoindustries.com/legal).

## 8. MAINTENANCE

None required.

## 9. TECHNICAL SERVICES

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

**Email:** [international@stegoindustries.com](mailto:international@stegoindustries.com)

**Contact Number:** +1 (877) 464-7834

**Website:** [www.stegoindustries.com](http://www.stegoindustries.com)

## 10. FILING SYSTEMS

- [www.stegoindustries.com](http://www.stegoindustries.com)



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