



# STEGOHOME™ 10-MIL (0.25 MM) VAPOUR RETARDER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 17 JAN 2025



## 1. PRODUCT NAME

**STEGOHOME 10-MIL (0.25 MM)  
VAPOUR RETARDER**

## 2. MANUFACTURER

Stego Industries, LLC  
216 Avenida Fabricante, Suite 101  
San Clemente, CA 92672 USA  
Sales, Technical Assistance  
Ph: +1 (877) 464-7834  
international@stegoindustries.com  
**stegoindustries.com**



*Lightweight Roll  
For Residential  
Applications*

## 3. PRODUCT DESCRIPTION

**USES:** StegoHome 10-Mil (0.25 mm) is used as a below-slab vapour retarder for residential construction.

**COMPOSITION:** StegoHome 10-Mil (0.25 mm) is a multi-layer plastic extrusion manufactured with only high-grade prime, virgin, polyolefin resins.

### FEATURES AND BENEFITS:

- First-of-its-kind vapour retarder specifically engineered with new residential construction in mind
- Unlike generic polyethylene sheeting, StegoHome is extremely durable and will last the lifespan of the home
- Lightweight roll and size options for ease of installation and reduced waste
- Meets the ASTM standards you've come to appreciate and trust from Stego Industries
- Life of the Building™ Warranty
- Authenticity markings to ensure you have the product you expect from Stego Industries
- Low permeance helps prevent water vapour from compromising the integrity of the building envelope, leading to serious problems with the concrete slab, floor coverings and indoor air quality
- A high-performance soil-gas retarder component of an effective radon mitigation system

## 4. TECHNICAL DATA

**TABLE 1: PHYSICAL PROPERTIES OF STEGOHOME 10-MIL (0.25 MM) CLASS A VAPOUR RETARDER**

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	<1.49	<0.0261
Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)	ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking	<1.52	<0.0266
	ASTM E154 Section 11, F1249 – Permeance after heat conditioning	<1.48	<0.0259
	ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning	<1.44	<0.0252
	ASTM E154 Section 13, F1249 – Permeance after soil organism exposure	<1.46	<0.0256
Radon Diffusion Coefficient	K124/02/95	8.0 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	<3,000 grams	
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting	7.9 kN/m (45 lbf/in)	
Thickness		0.25 mm (10 mil)	
Roll Dimensions		width x length = area: 1.8 m x 45.7 m (6' x 150') = 83.6 m <sup>2</sup> (900 ft <sup>2</sup> ) width x length = area: 3.7 m x 22.9 m (12' x 75') = 83.6 m <sup>2</sup> (900 ft <sup>2</sup> ) width x length = area: 4.3 m x 32.0 m (14' x 105') = 136.6 m <sup>2</sup> (1,470 ft <sup>2</sup> )	
Roll Weight		1.8 m x 45.7 m and 3.7 m x 22.9 m: 21.3 kg (47 lb) 4.3 m x 32.0 m: 35.4 kg (78 lb)	

Continued...

Note – legal notice on page 2.

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## 5. INSTALLATION

**UNDER SLAB:** Unroll StegoHome 10-Mil (0.25 mm) Vapour Retarder over an aggregate, sand or tamped earth base. Overlap all seams a minimum of 152 mm (6") and seal using Stego™ Tape or Stego™ Crete Claw™ Tape. All penetrations must be sealed using a combination of StegoHome 10-Mil (0.25 mm) Vapour Retarder and Stego Accessories.

For additional information, please refer to the complete StegoHome installation instructions.

## 6. AVAILABILITY & COST

For cost and local availability of StegoHome, please contact your local 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 StegoHome. Please see [stegoindustries.com/legal](https://stegoindustries.com/legal)

## 8. MAINTENANCE

None required.

## 9. TECHNICAL SERVICES

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

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

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

**Website:** [stegoindustries.com](https://stegoindustries.com)

## 10. FILING SYSTEMS: [stegoindustries.com](https://stegoindustries.com)

