

STEGO™ WRAP 15-MIL (0.38 MM) VAPOUR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 28 JAN 2025

1. PRODUCT NAME

STEGO WRAP 15-MIL (0.38 MM) VAPOUR BARRIER

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



3. PRODUCT DESCRIPTION

USES: Stego Wrap 15-Mil (0.38 mm) Vapour Barrier is used as a below-slab vapour barrier.

COMPOSITION: Stego Wrap 15-Mil (0.38 mm) Vapour Barrier is a multi-layer plastic extrusion manufactured with only high grade prime, virgin, polyolefin resins.

ENVIRONMENTAL FACTORS: Stego Wrap 15-Mil (0.38 mm) Vapour Barrier can be used in systems for the control of soil gases (radon), and sulphates.

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF STEGO WRAP 15-MIL (0.38 MM) VAPOUR BARRIER

PROPERTY	TEST	RESULTS	
Under Slab Vapour Retarders	ASTM E1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C	
		Permeance Units (perms):	
		ng/(m ² *s*Pa)	gr/(ft ² *hr*in-Hg)
Water Vapour Permeance	ASTM F1249 – Test Method for Water Vapor 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	0.55	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	192.8 GTR* mL(STP)/m ² *day	
Radon Diffusion Coefficient	K124/02/95	8.8 x 10 ⁻¹² m ² /second	
Puncture Resistance	ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method	2266 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 ² (1960 ft ²)
Roll Weight		67 kg (147 lb)	

* GTR = Gas Transmission Rate

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5. INSTALLATION

UNDER SLAB: Unroll Stego Wrap 15-Mil (0.38 mm) Vapour Barrier over an aggregate, sand, or tamped earth base. Overlap all seams a minimum of 152 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.

Stego Wrap should be installed below 43°C (110 °F). Do not exceed 7 days between Stego Wrap installation and concrete placement or full protection from UV and weather exposure. Please review technical data sheets for Stego accessory products for installation/application temperature ranges.

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

6. AVAILABILITY & COST

Stego Wrap 15-Mil (0.38 mm) Vapour Barrier is available through our network of building supply distributors. For current cost information, contact your local Stego™ 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 Stego Wrap 15-Mil (0.38 mm) Vapour Barrier. Please see stegoindustries.com/legal

8. MAINTENANCE AND STORAGE

Maintenance: Inspect after installation. Repair visible damage with Stego Tape or recommended accessories.

Storage and Handling: Store in original packaging in a cool, dry place. Handle with care to avoid damage.

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: international@stegoindustries.com

Contact Number: +1(877) 464-7834

Website: stegoindustries.com

10. FILING SYSTEMS: stegoindustries.com

STEGO™ WRAP 10-MIL (0.25 MM) CLASS A VAPOUR RETARDER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 28 JAN 2025

1. PRODUCT NAME

STEGO WRAP 10-MIL (0.25 MM) CLASS A VAPOUR RETARDER

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

USES: Stego Wrap 10-Mil (0.25 mm) Class A Vapour Retarder is used as an exceptional vapour retarder, and as a protection course for below grade waterproofing applications.

COMPOSITION: Stego Wrap 10-Mil (0.25 mm) Class A Vapour Retarder is a multi-layer plastic extrusion manufactured with only high grade prime, virgin, polyolefin resins.

ENVIRONMENTAL FACTORS: Stego Wrap 10-Mil (0.25 mm) Class A Vapour Retarder can be used in systems for the control of soil gases (radon), and sulphates.

4. TECHNICAL DATA

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 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 Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C	
	Permeance Units (perms):	ng/(m²*s*Pa)	gr/(ft²*hr*in-Hg)
Water Vapour Permeance	ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	1.45	0.0254
Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)	ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking	1.48	0.0258
	ASTM E154 Section 11, F1249 – Permeance after heat conditioning	1.48	0.0259
	ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning	1.38	0.0241
	ASTM E154 Section 13, F1249 – Permeance after soil organism exposure	1.40	0.0245
Radon Diffusion Coefficient	K124/02/95	8.0 x 10 ⁻¹² m ² /second	
Puncture Resistance	ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method	3,006 grams	
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting	8.9 kN/m (50.6 lbf/in)	
Thickness		0.25 mm (10 mil)	
Roll Dimensions		width x length:	4.3 m x 64 m (14' x 210')
		area:	273 m ² (2,940 ft ²)
Roll Weight		66 kg (146 lb)	

STEGO™ WRAP 10-MIL (0.25 MM) CLASS A VAPOUR RETARDER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 28 JAN 2025

5. INSTALLATION

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

Stego Wrap should be installed below 43°C (110 °F). Do not exceed 7 days between Stego Wrap installation and concrete placement or full protection from UV and weather exposure. Please review technical data sheets for Stego accessory products for installation/application temperature ranges.

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

6. AVAILABILITY & COST

Stego Wrap 10-Mil (0.25 mm) Class A Vapour Retarder is available through our network of building supply distributors. For current cost information, contact your local Stego™ 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 Stego Wrap 10-Mil Class A Vapour Retarder. Please see stegoindustries.com/legal

8. MAINTENANCE AND STORAGE

Maintenance: Inspect after installation. Repair visible damage with Stego Tape or recommended accessories.

Storage and Handling: Store in original packaging in a cool, dry place. Handle with care to avoid damage.

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.

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10. FILING SYSTEMS: stegoindustries.com

STEGO™ WRAP 10-MIL CLASS C VAPOUR RETARDER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 3 MAR 2022

1. PRODUCT NAME

STEGO WRAP 10-MIL CLASS C VAPOUR RETARDER

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672 USA
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 international@stegoindustries.com
stegoindustries.com



3. PRODUCT DESCRIPTION

USES: Stego Wrap Class C is used as an exceptional vapour retarder.

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

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

4. TECHNICAL DATA

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 10-MIL CLASS C 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 C	
		Permeance Units (perms):	
		ng/(m ² *s*Pa)	gr/(ft ² *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	1.20	0.0209
Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)	ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking	1.29	0.0226
	ASTM E154 Section 11, F1249 – Permeance after heat conditioning	1.27	0.0222
	ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning	1.22	0.0214
	ASTM E154 Section 13, F1249 – Permeance after soil organism exposure	1.23	0.0214
Puncture Resistance	ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method	1,286 grams	
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting	8.6 kN/m (49.2 lbf/in)	
Thickness		0.25 mm (10 mil)	
Roll Dimensions		width x length:	4.3 m x 64 m (14' x 210')
		area:	273 m ² (2,940 ft ²)
Roll Weight		63 kg (140 lb)	

STEGO™ WRAP 10-MIL CLASS C VAPOUR RETARDER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 3 MAR 2022

5. INSTALLATION

UNDER SLAB: Unroll Stego Wrap Class C 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 Class C and Stego accessories.

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

6. AVAILABILITY & COST

Stego Wrap Class C 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 herein. Stego Industries, LLC does offer a limited warranty on Stego Wrap. Please see 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.

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10. FILING SYSTEMS: stegoindustries.com