STEGO™ WRAP VAPOUR BARRIER
ASTM E1745 CLASS A-B-C COMPLIANT

STEGO™ WRAP VAPOUR BARRIER is made with our proven trade secret blend of prime virgin resins and additives. Stego Wrap Vapour Barrier is an ASTM E1745 Class A Vapour Barrier (Below 0.01 perms). We focus on producing a product that will maintain its extremely low permeance. The protection of Stego Wrap Vapour Barrier provides the flexibility to change flooring types and overall building use without worrying about below-slab moisture vapour.

The advantages of using Stego Wrap Vapour Barrier include:

**SUPERIOR DEFENSE AGAINST FLOOR FAILURES:**
Infiltration of moisture through concrete slabs is a major building defect liability. Stego Wrap Vapour Barrier has an extremely low permeance rating, helping to prevent water vapour, soil gases (i.e. Radon), alkaline salts and soil sulfates from compromising the integrity of the building envelope and leading to serious problems with the concrete slab, floor coverings and indoor air quality. Stego Wrap Vapour Barrier is the best protection against these costly failures.

**MOULD PREVENTION:**
Mould needs three things to survive: moisture, sustained temperature (between 10° and 50° C), and a food source (dust, drywall, etc.). In any given building environment, contractors can only control one of these variables: moisture. Mould spores are present in 100% of building interiors. If moisture is allowed into your building environment, mould can and will grow. Toxic moulds like Stachybotrys can be fatal for nearly 5% of people [Institute of Medicine 1993], and cause a variety of serious health problems in others. Several recent well-publicised cases involving toxic mould have resulted in multimillion-dollar insurance settlements. Many leading insurance companies have severely limited or removed coverage for mould claims fearing that these claims will bankrupt their companies. Now more than ever, it is critically important that extra attention be paid to preventing the intrusion of moisture vapour from your below-slab environment. Stego Wrap Vapour Barrier offers the level of protection that many architects and engineers are now seeking and is considered to be inexpensive insurance against these costly failures.

**LONGEVITY AND STRENGTH:**
Stego Wrap Vapour Barrier is NOT made with recycled materials and will not degrade. Prime, virgin resins are the key. Molecules within Stego Wrap “interlock” to provide strength, durability and unprecedented resistance to moisture vapour and radon gas. Stego Wrap’s puncture resistance is excellent. Stego Wrap will not tear, crack, flake, snag or puncture, even when 8,165 kilogram laser-screed machines are driving directly across the barrier (see the reverse side for Stego Wrap Vapour Barrier’s specifications).

Note – legal notice on page 2.
**INSTALLATION INSTRUCTIONS:** (Based on ASTM E1643)

Unroll Stego Wrap over the area where the slab is to be placed. Stego Wrap should completely cover the concrete placement area. Overlap seams 150 mm (6") and tape using Stego Tape. All penetrations and blockouts should be sealed using a combination of Stego Wrap, Stego Tape and/or Stego™ Mastic. If the Stego Wrap is damaged, cut a piece from the Stego Wrap roll, place over the damaged area, and tape around all edges. Concrete may be placed directly on Stego Wrap. For additional information, please refer to Stego’s complete installation instructions.

**STEGO™ TAPE:**

STEGO WRAP RED POLYETHYLENE TAPE 10 cm x 55 m/roll (3.75" x 180'/roll) is specially designed to seal seams and penetrations on Stego Wrap installations. The acrylic, pressure-sensitive adhesive provides permanent bonding and quick-stick properties. The area to be bonded should be free of dust, dirt and moisture.

**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 www.stegoindustries.com/legal.

---

**STEGO™ WRAP VAPOUR BARRIER SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>METHOD</th>
<th>ASTM E1745 CLASS A REQUIREMENTS</th>
<th>TEST RESULT</th>
<th>EXPLANATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permeance (perms)</td>
<td>ASTM F1249</td>
<td>6 ng/(m²<em>s</em>Pa) 0.1 gr/(ft²<em>hr</em>in-Hg)</td>
<td>0.47 ng/(m²<em>s</em>Pa) 0.0086 gr/(ft²<em>hr</em>in-Hg)</td>
<td>Very impermeable to water vapour</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>ASTM D1709</td>
<td>2,200 grams Method B 2,266 grams</td>
<td>1,670 grams Method B 2,258 grams</td>
<td>Resistant to puncturing from construction abuse</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D882</td>
<td>7.9 kN/m 45.0 lb/in</td>
<td>12.4 kN/m 70.6 lb/in</td>
<td>Will not tear easily</td>
</tr>
<tr>
<td>Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)</td>
<td>ASTM E154 Section 8</td>
<td>6 ng/(m²<em>s</em>Pa) 0.1 gr/(ft²<em>hr</em>in-Hg)</td>
<td>0.56 ng/(m²<em>s</em>Pa) 0.0098 gr/(ft²<em>hr</em>in-Hg)</td>
<td>Permeance after wetting, drying and soaking</td>
</tr>
<tr>
<td>Methane Transmission Rate</td>
<td>ASTM D1434</td>
<td><strong>GTR = 192.8 mL(STP)/m²/day</strong></td>
<td>8.8 x 10⁻¹² m²/second</td>
<td>Greatly impedes the transmission of methane gas</td>
</tr>
<tr>
<td>Radon Diffusion Coefficient</td>
<td>K124/02/95</td>
<td>8.8 x 10⁻²⁰ m³/second</td>
<td>8.8 x 10⁻¹² m²/second</td>
<td>Greatly impedes the transmission of radon gas</td>
</tr>
<tr>
<td>Thickness</td>
<td>K124/02/95</td>
<td>0.38 mm 15 mil</td>
<td>0.38 mm 15 mil</td>
<td>Stronger, tougher and less permeable than much thicker membranes</td>
</tr>
<tr>
<td>Roll Dimensions</td>
<td>width x length: area:</td>
<td>4.3 m x 42.7 m 180 m²</td>
<td>14’ x 140’ 1,960 ft²</td>
<td>Allows for a minimum of seams</td>
</tr>
<tr>
<td>Roll Weight</td>
<td>63 kg 140 lb</td>
<td>Easy to unroll and install</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GTR = Gas Transmission Rate**

---

Stego, the stegosaurus design logo, Crete Claw, StegoTack, StegoCrawl, Beast, and the Beast design logo are all deemed to be registered and/or protectable trademarks or service marks of Stego Industries, LLC. © 2018 Stego Industries, LLC. All Rights Reserved. Please see www.stegoindustries.com/legal.
1. PRODUCT NAME

STEGO WRAP 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
www.stegoindustries.com

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**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Retarders Used in Contact with Soil or Granular Fill under Concrete</td>
<td>Permeance Units (perms):</td>
</tr>
<tr>
<td></td>
<td>Slabs</td>
<td>g/(m²<em>hr</em>Pa)</td>
</tr>
<tr>
<td>Water Vapour Permeance</td>
<td>ASTM F1249 – Test Method for Water Vapour Transmission Rate Through</td>
<td>0.49</td>
</tr>
<tr>
<td></td>
<td>Plastic Film and Sheeting Using a Modulated Infrared Sensor</td>
<td>0.0086</td>
</tr>
<tr>
<td>Permeance After Conditioning</td>
<td>ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and</td>
<td>0.56</td>
</tr>
<tr>
<td>(ASTM E1745</td>
<td>soaking</td>
<td>0.0098</td>
</tr>
<tr>
<td>Sections 7.1.2 - 7.1.5)</td>
<td>ASTM E154 Section 11, F1249 – Permeance after heat conditioning</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td>ASTM E154 Section 12, F1249 – Permeance after low temperature</td>
<td>0.56</td>
</tr>
<tr>
<td></td>
<td>conditioning</td>
<td>0.0097</td>
</tr>
<tr>
<td></td>
<td>ASTM E154 Section 13, F1249 – Permeance after soil organism exposure</td>
<td>0.54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0095</td>
</tr>
<tr>
<td></td>
<td>Characteristics of Plastic Film and Sheeting</td>
<td>mL(STP)/m²*day</td>
</tr>
<tr>
<td>Radon Diffusion Coefficient</td>
<td>K124/02/95</td>
<td>8.8 x 10⁻¹²m²/second</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>ASTM D1709 – Test Method for Impact Resistance of Plastic Film by</td>
<td>2,266 grams</td>
</tr>
<tr>
<td></td>
<td>Free-Falling Dart Method</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D882 – Test Method for Tensile Properties of Thin Plastic</td>
<td>12.4 kN/m (70.6 lbf/in)</td>
</tr>
<tr>
<td></td>
<td>Sheeting</td>
<td></td>
</tr>
<tr>
<td>Thickness</td>
<td>0.38 mm (15 mil)</td>
<td></td>
</tr>
<tr>
<td>Roll Dimensions</td>
<td>width x length:</td>
<td>4.3 m x 42.7 m (14’ x 140’)</td>
</tr>
<tr>
<td></td>
<td>area:</td>
<td>180 m² (1,960 ft²)</td>
</tr>
<tr>
<td>Roll Weight</td>
<td></td>
<td>63 kg (140 lb)</td>
</tr>
</tbody>
</table>

Note: GTR = Gas Transmission Rate
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 herein. Stego Industries, LLC does offer a limited warranty on Stego Wrap. Please see 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
Contact Number: +1 (877) 464-7834
Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com
1. **PRODUCT NAME**

STEGO MASTIC

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
www.stegoindustries.com

3. **PRODUCT DESCRIPTION**

USES: Stego Mastic is designed to be used as a vapour retardant membrane for use in conjunction with Stego™ Wrap Vapour Barrier/Retarder. Stego Mastic can be used for sealing utility and pipe penetrations in Stego Wrap.

COMPOSITION: Stego Mastic is a medium viscosity, water-based, polymer-modified anionic bituminous/asphalt emulsion.

SIZE: Stego Mastic comes in 7.57-litre (2 gal) or 18.9-litre (5 gal) pails, and 591-millilitre (20 oz) sausage tubes.

4. **TECHNICAL DATA**

**TABLE 1: PHYSICAL PROPERTIES OF STEGO MASTIC**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile</td>
<td>ASTM D412</td>
<td>221 kPa (32 psi)</td>
</tr>
<tr>
<td>Elongation</td>
<td>ASTM D412</td>
<td>3860%</td>
</tr>
<tr>
<td>Resistance to Decay</td>
<td>ASTM E154</td>
<td>10% perm loss</td>
</tr>
<tr>
<td>Accelerated Aging</td>
<td>ASTM G23</td>
<td>No Effect</td>
</tr>
<tr>
<td>Permeance</td>
<td>ASTM E96 (perms)</td>
<td>9.7 ng/(m²<em>s</em>Pa) [0.17 gr/(ft²<em>hr</em>in-Hg)]</td>
</tr>
<tr>
<td>Hydrostatic Water Pressure</td>
<td>ASTM D751</td>
<td>193 kPa (28 psi)</td>
</tr>
<tr>
<td>Adhesion to Concrete &amp; Masonry</td>
<td>ASTM C836</td>
<td>1.2 kN/m (7 lbf/in)</td>
</tr>
<tr>
<td>Hardness</td>
<td>ASTM C836</td>
<td>75</td>
</tr>
<tr>
<td>Crack Bridging</td>
<td>ASTM C836</td>
<td>No Cracking</td>
</tr>
<tr>
<td>Low Temp Flexibility</td>
<td>ASTM C836</td>
<td>No Cracking</td>
</tr>
</tbody>
</table>

Note: internal page 2
5. INSTALLATION

PREPARATION:
- A test application simulating the project environment should always be done prior to final usage of Stego Mastic.
- All Surfaces should be dry and free of loose materials, oils and other contaminants. The surfaces should be cleaned in the same fashion as the test surface in order to ensure proper results.
- Store above 4°C, and apply above 4°C and below 38°C.

PENETRATIONS:
To repair penetrations in Stego Wrap, cut Stego Wrap just big enough to fit over and around the penetration so as to minimise void space. Liberally apply Stego Mastic around the penetration to keep the integrity of the membrane intact. Stego Mastic can be applied from sausage tubes with a standard sausage gun and/or from pails by brush, roller, or trowel.

NOTES: 1) If needed to minimise void space around penetrations, utilise a detail patch of Stego Wrap or Stego Pre-Cut Pipe Boot to fit over the penetration and seal the patch/boot with Stego Tape prior to applying Stego Mastic. 2) Solvent-based products should not be applied over this product. 3) Clean all tools with kerosene and/or oil-based cleaners.

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

6. AVAILABILITY & COST

Stego Mastic is available through our network of building supply distributors. For current cost information, contact your local Stego 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 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
Contact Number: +1 (877) 464-7834
Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com
1. **PRODUCT NAME**

STEGO TAPE

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  
www.stegoindustries.com

3. **PRODUCT DESCRIPTION**

USES: Stego Tape is a low-permeance tape designed for protective sealing, hanging, seaming, splicing, and patching applications where a highly conformable material is required. It has been engineered to bond specifically to Stego™ Wrap, making it ideal for sealing Stego Wrap seams and penetrations.

COMPOSITION: Stego Tape is composed of polyethylene film and an acrylic, pressure-sensitive adhesive.

SIZE: Stego Tape is 10 cm x 55 m (3.75" x 180'). Stego Tape ships 12 rolls in a case.

4. **TECHNICAL DATA**

**TABLE 4.1: PHYSICAL PROPERTIES OF STEGO TAPE**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>10 cm x 55 m (3.75&quot; x 180')</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>0.15 mm (6 mil)</td>
</tr>
<tr>
<td>Permeance (perms)</td>
<td>1.7 ng/(m²·s·Pa) (0.03 gr/(ft²·hr·in-Hg))</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>3 kN/m (17 lb/in)</td>
</tr>
<tr>
<td>Elongation (at break) MD</td>
<td>1060%</td>
</tr>
<tr>
<td>Adhesion (20 min dwell ss, PSTC 101)</td>
<td>0.92 kN/m (84 oz/in)</td>
</tr>
<tr>
<td>Ultraviolet Resistance</td>
<td>Excellent</td>
</tr>
</tbody>
</table>
5. INSTALLATION

SEAMS: Overlap Stego Wrap 150 mm (6”) and seal with Stego Tape. Make sure the area of adhesion is free from dust, dirt, moisture and frost to allow maximum adhesion of the pressure sensitive tape.

PIPE PENETRATION SEALING
1) Install Stego Wrap around pipe by slitting/cutting material
2) If void space around pipe is minimal, seal around base of pipe with Stego Tape (Stego™ Mastic can be used for additional coverage)

DETAIL PATCH FOR PIPE PENETRATION SEALING
1) Cut a piece of Stego Wrap that creates a 150 mm (6”) overlap around all edges of the void space
2) Cut an “X” in the centre of the detail patch
3) Slide detail patch over pipe, secure tightly
4) Tape down all sides of detail patch with Stego Tape
5) Seal around base of pipe with Stego Tape (Stego Mastic can be used for additional coverage)

Stego Tape should be installed above 4°C. In temperatures below 4°C take extra care to remove moisture or frost from the area of adhesion.

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

6. AVAILABILITY & COST

Stego Tape 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 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
Contact Number: +1 (877) 464-7834
Website: www.stegoindustries.com

10. FILING SYSTEMS

• www.stegoindustries.com
1. **PRODUCT NAME**

STEGO CRETE CLAW TAPE (75 mm wide)

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  
www.stegoindustries.com

3. **PRODUCT DESCRIPTION**

**USES:** Stego Crete Claw Tape is a multi-layered tape that is used to seal Stego™ Wrap Vapour Barrier to the perimeter of the slab while the concrete is placed. Stego Crete Claw Tape allows wet concrete to cast into the textured top surface to form a mechanical bond/seal.

**COMPOSITION:** Stego Crete Claw Tape is composed of polyethylene film, aperture film, and an acrylic, pressure-sensitive adhesive.

**SIZE:** Stego Crete Claw Tape is 75 mm (3”) x 55 m (180’). Stego Crete Claw Tape (75 mm Wide) ships 16 rolls in a case.

4. **TECHNICAL DATA**

**TABLE 4.1: PHYSICAL PROPERTIES OF STEGO CRETE CLAW TAPE (75 mm wide)**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>75 mm x 55 m (3” x 180’)</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>0.66 mm (26 mil)</td>
</tr>
<tr>
<td>Permeance: ASTM F1249</td>
<td>1.7 ng/(m²<em>s</em>Pa) [0.03 gr/(ft²<em>hr</em>in-Hg)]</td>
</tr>
<tr>
<td>180° Adhesion Peel Strength: ASTM D903</td>
<td>3.1 kN/m (17.6 lbf/in)</td>
</tr>
<tr>
<td>Sheer Adhesion Strength:</td>
<td></td>
</tr>
<tr>
<td>6.5 cm² (1 in²) shear test using an Instron 3345 Machine</td>
<td>&gt;338 kPa (&gt;49 lbf/in²)*</td>
</tr>
</tbody>
</table>

* Specimens failed by stretching vapour barrier to failure before pulling Crete Claw from concrete.

5. **INSTALLATION**

**SECURING STEGO WRAP TO SLAB:** Clean surface of Stego Wrap to ensure that it is free of moisture, frost, dirt, and debris prior to the installation of Stego Crete Claw Tape. When ready to apply Stego Crete Claw Tape, peel back the release liner and apply to Stego Wrap. Stego Crete Claw Tape should be completely on Stego Wrap.

To detail, cut Stego Crete Claw Tape with a box knife or scissors. Stego Crete Claw Tape should be installed above 4°C for maximum adhesion. For additional information please refer to Stego’s complete installation instructions.

**TIP:** Wrap the release liner back over the entire roll while unrolling Stego Crete Claw Tape. This technique will allow the release liner to pull off easily and keep it out of the way.
6. AVAILABILITY & COST

Stego Crete Claw Tape 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 www.stegoindustries.com/legal.

8. MAINTENANCE

Store Stego Crete Claw Tape in a dry and temperate area.

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
Contact Number: +1 (877) 464-7834
Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com
1. **PRODUCT NAME**

STEGO CRETE CLAW TAPE (150 mm wide)

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  
www.stegoindustries.com

3. **PRODUCT DESCRIPTION**

USES: Stego Crete Claw Tape is a multi-layered tape that is used to seal Stego™ Wrap Vapour Barrier to the perimeter of the slab while the concrete is placed. Stego Crete Claw Tape allows wet concrete to cast into the textured top surface to form a mechanical bond/seal.

COMPOSITION: Stego Crete Claw Tape is composed of polyethylene film, aperture film, and an acrylic, pressure-sensitive adhesive.

SIZE: Stego Crete Claw Tape is 150 mm (6”) x 55 m (180’). Stego Crete Claw Tape (150 mm Wide) ships 8 rolls in a case.

4. **TECHNICAL DATA**

**TABLE 4.1: PHYSICAL PROPERTIES OF STEGO CRETE CLAW TAPE (150 mm wide)**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>150 mm x 55 m (6” x 180’)</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>0.66 mm (26 mil)</td>
</tr>
<tr>
<td>Permeance: ASTM F1249</td>
<td>1.7 ng/(m²<em>s</em>Pa) [0.03 gr/(ft²<em>hr</em>in-Hg)]</td>
</tr>
<tr>
<td>180° Adhesion Peel Strength: ASTM D903</td>
<td>3.1 kN/m (17.6 lbf/in)</td>
</tr>
<tr>
<td>Sheer Adhesion Strength:</td>
<td>&gt;338 kPa (&gt;49 lbf/in²)*</td>
</tr>
<tr>
<td>.5 cm² (1 in²) shear test using an Instron 3345 Machine</td>
<td></td>
</tr>
</tbody>
</table>

* Specimens failed by stretching vapour barrier to failure before pulling Crete Claw from concrete.

5. **INSTALLATION**

SECURING STEGO WRAP TO SLAB: Clean surface of Stego Wrap to ensure that it is free of moisture, frost, dirt, and debris prior to the installation of Stego Crete Claw Tape. When ready to apply Stego Crete Claw Tape, peel back the release liner and apply to Stego Wrap. Stego Crete Claw Tape should be completely on Stego Wrap.

To detail, cut Stego Crete Claw Tape with a box knife or scissors. Stego Crete Claw Tape should be installed above 4°C for maximum adhesion. For additional information please refer to Stego’s complete installation instructions.

TIP: Wrap the release liner back over the entire roll while unrolling Stego Crete Claw Tape. This technique will allow the release liner to pull off easily and keep it out of the way.
6. AVAILABILITY & COST

Stego Crete Claw Tape 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 www.stegoindustries.com/legal.

8. MAINTENANCE

Store Stego Crete Claw Tape in a dry and temperate area.

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
Contact Number: +1 (877) 464-7834
Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com
1. **PRODUCT NAME**

STEGOTACK™ TAPE

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  
www.stegoindustries.com

3. **PRODUCT DESCRIPTION**

USES: StegoTack Tape is a double-sided adhesive strip used to bond and seal Stego™ Wrap Vapour Barrier to concrete, masonry, wood, metal, and other surfaces. StegoTack Tape is a flexible and mouldable material to allow for a variety of applications and installations.

COMPOSITION: StegoTack Tape is made from a blend of synthetic rubber and resins.

SIZE: StegoTack Tape is 51 mm x 15 m (2” x 50’). StegoTack Tape ships 12 rolls in a case.

4. **TECHNICAL DATA**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>51 mm x 15 m (2” x 50’)</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>0.76 mm (30 mil)</td>
</tr>
<tr>
<td>Permeance (at 0.76 mm/30 mil)</td>
<td>1.7 ng/(m²<em>s</em>Pa) (0.03 gr/(ft²<em>hr</em>in-Hgl))</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Material</td>
<td>Synthetic rubber blend</td>
</tr>
<tr>
<td>Adhesion to Steel</td>
<td>2.19 kN/m (12.5 lb/in) width  ASTM D1000</td>
</tr>
<tr>
<td>Installation Temperature</td>
<td>4°C/43°C (40°F/110°F)</td>
</tr>
<tr>
<td>In Service Temperature Range</td>
<td>-29°C/60°C (-20°F/+140°F)</td>
</tr>
<tr>
<td>VOC Content</td>
<td>No VOCs, 100% solids</td>
</tr>
</tbody>
</table>

5. **INSTALLATION**

TO WALLS: Make sure the area of adhesion is free of dust, dirt, debris, moisture, and frost to allow maximum adhesion. Remove release liner on one side and stick to desired surface. When ready to apply Stego Wrap, remove the exposed release liner and press Stego Wrap firmly against StegoTack Tape to secure.

Cut StegoTack Tape using a utility knife or scissors. Cut StegoTack Tape before removing the release liner for easier cutting. Install StegoTack Tape between 4°C and 43°C. For additional information please refer to Stego’s complete installation instructions.
6. **AVAILABILITY & COST**

StegoTack Tape 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 www.stegoindustries.com/legal.

8. **MAINTENANCE**

For longer adhesive life, store in dry, temperate area.

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  
Contact Number: +1 (877) 464-7834  
Website: www.stegoindustries.com

10. **FILING SYSTEMS**

- www.stegoindustries.com
1. **PRODUCT NAME**
   STEGO TERM BAR

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

3. **PRODUCT DESCRIPTION**
   USES: Stego Term Bar is a semi-flexible plastic termination bar used for mechanically securing Stego™ Wrap or other materials to concrete, masonry, or wood.

   COMPOSITION: Stego Term Bar is made from post-industrial recycled PVC.

   SIZE: Stego Term Bar is 1.2 m x 28.6 mm (4’ x 1.125”).

4. **TECHNICAL DATA**
   **TABLE 4.1: PHYSICAL PROPERTIES OF STEGO TERM BAR**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>1.2 m x 28.6 mm (4’ x 1.125”)</td>
</tr>
<tr>
<td>Colour</td>
<td>Red</td>
</tr>
<tr>
<td>Material</td>
<td>Recycled PVC</td>
</tr>
<tr>
<td>Weight</td>
<td>132 grams (4.7 oz)</td>
</tr>
</tbody>
</table>

5. **INSTALLATION**
   UNDER SLAB: Nail through Stego Term Bar and Stego Wrap to secure material as needed. If the beveled edge is facing the wall, a pocket/lip is created for mastic/sealant to be used if required. Pre-drilled nail holes are provided every 150 mm for ease of installation.

   To cut Stego Term Bar, score with a utility knife or wire snips. Stego Term Bar can be bent back and forth and then broken at desired locations as well.

   Stego Term Bar is flexible enough to bend around corners and contours in the wall for easy installation.

   For additional information, please refer to Stego’s complete installation instructions.
6. **AVAILABILITY & COST**

Stego Term Bar 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 www.stegoindustries.com/legal.

8. **MAINTENANCE**

Store above 16°C (60°F). Term Bar will become less flexible at lower temperatures.

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  
   **Contact Number:** +1 (877) 464-7834  
   **Website:** www.stegoindustries.com

10. **FILING SYSTEMS**

   • www.stegoindustries.com
STEGO™ PRE-CUT PIPE BOOTS
A STEGO INDUSTRIES, LLC INNOVATION | VAPOUR RETARDERS 07 26 00, 03 30 00 | VERSION: 20 JUL 2018

1. PRODUCT NAME
STEGO PRE-CUT PIPE BOOTS

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
www.stegoindustries.com

3. PRODUCT DESCRIPTION
USES: Stego Pre-Cut Pipe Boots are used to seal around permanent penetrations in Stego™ Wrap.

COMPOSITION: Stego Pre-Cut Pipe Boots are made from Stego Wrap Vapour Barrier (15-mil), and therefore are manufactured from only high grade prime, virgin, polyolefin resins.

SIZE: Stego Pre-Cut Pipe Boots are 450 mm x 450 mm (18” x 18”) and 0.38 mm (15 mil) thick. Stego Pre-Cut Pipe Boots ship 10 packs of 25 in a case (250 boots per case).

4. TECHNICAL DATA

**TABLE 1: PHYSICAL PROPERTIES OF STEGO PRE-CUT PIPE BOOTS**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under Slab Vapour Retarders</td>
<td>ASTM E1745 Class A, B &amp; C – Standard Specification for Water Vapour Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs</td>
<td>Exceeds Class A, B &amp; C</td>
</tr>
<tr>
<td></td>
<td>Permeance Units (perms):</td>
<td>ng/(m² s*Pa)</td>
</tr>
<tr>
<td>Water Vapour Permeance</td>
<td>ASTM F1249 – Test Method for Water Vapour Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor</td>
<td>0.49</td>
</tr>
<tr>
<td>Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)</td>
<td>ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking</td>
<td>0.56</td>
</tr>
<tr>
<td></td>
<td>ASTM E154 Section 11, F1249 – Permeance after heat conditioning</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td>ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning</td>
<td>0.56</td>
</tr>
<tr>
<td></td>
<td>ASTM E154 Section 13, F1249 – Permeance after soil organism exposure</td>
<td>0.54</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method</td>
<td>2,266 grams</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting</td>
<td>12.4 kN/m (70.6 lbf/in)</td>
</tr>
<tr>
<td>Thickness</td>
<td></td>
<td>0.38 mm (15 mil)</td>
</tr>
<tr>
<td>Pipe Boot Dimensions</td>
<td>width x length:</td>
<td>450 mm x 450 mm (18” x 18”)</td>
</tr>
</tbody>
</table>

5. INSTALLATION

UNDER SLAB: Cut an “X” the size of the pipe diameter in the center of the Pre-Cut Pipe Boot and slide tightly over pipe. Tape all sides of the pipe boot with Stego™ Tape. Seal around the base of the pipe using Stego Tape and/or Stego™ Mastic.

For additional information, please refer to Stego’s complete installation instructions.
6. **AVAILABILITY & COST**

Stego Pre-Cut Pipe Boots are 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 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  
   **Contact Number:** +1 (877) 464-7834  
   **Website:** www.stegoindustries.com

10. **FILING SYSTEMS**

   - www.stegoindustries.com
**UNDER-SLAB INSTRUCTIONS:**

1. Stego Wrap can be installed over an aggregate, sand, or tamped earth base. It is not necessary to have a cushion layer or sand base, as Stego Wrap is tough enough to withstand rugged construction environments.

2. Unroll Stego Wrap over the area where the slab is to be placed. Stego Wrap should completely cover the concrete placement area. All joints/seams both lateral and butt should be overlapped a minimum of 6” and taped using Stego™ Tape.

   **NOTE:** The area of adhesion should be free from dust, dirt, moisture, and frost to allow maximum adhesion of the pressure-sensitive tape.

3. ASTM E1643 requires sealing the perimeter of the slab. Extend vapour retarder over footings and seal to foundation wall, grade beam, or slab at an elevation consistent with the top of the slab or terminate at impediments such as waterstops or dowels. Consult the structural engineer of record before proceeding.

**SEAL TO SLAB AT PERIMETER:**

   **NOTE:** Clean the surface of Stego Wrap to ensure that the area of adhesion is free from dust, dirt, moisture, and frost to allow maximum adhesion of the pressure-sensitive tape.

   a. Install Stego™ Crete Claw™ Tape on the entire perimeter edge of Stego Wrap.

   b. Prior to the placement of concrete, ensure that the top of Stego Crete Claw Tape is free of dirt, debris, or mud to maximise the bond to the concrete.

**STEGO LABOUR SAVER!**

This method not only complies with ASTM E1643, but it also:

- reduces labour compared to other perimeter sealing techniques.
- can be used even without an existing wall or footing, unlike alternatives.

**OR SEAL TO PERIMETER WALL WITH STEGOTACK™ TAPE:**

   a. Make sure area of adhesion is free of dust, dirt, debris, moisture, and frost to allow maximum adhesion.

   b. Remove release liner on one side and stick to desired surface.

   c. When ready to apply Stego Wrap, remove the exposed release liner and press Stego Wrap firmly against StegoTack Tape to secure.

* If ASTM E1643 is specified, consult with project architect and structural engineer to determine which perimeter seal technique should be employed for the project.
4. In the event that Stego Wrap is damaged during or after installation, repairs must be made. For holes, cut a piece of Stego Wrap to a size and shape that covers any damage by a minimum overlap of 150 mm (6”) in all directions. Clean all adhesion areas of dust, dirt, moisture, and frost. Tape down all edges using Stego Tape (see figure 3, Sealing Damaged Areas).

**FIGURE 3: SEALING DAMAGED AREAS**

5. IMPORTANT: ALL PENETRATIONS MUST BE SEALED. All pipe, ducting, rebar, wire penetrations and block outs should be sealed using Stego Wrap, Stego Tape and/or Stego Mastic (see figure 4a, Pipe Penetration Sealing).

**FIGURE 4a: PIPE PENETRATION SEALING**

**STEGO WRAP PIPE PENETRATION REPAIR DETAIL:**
1. Install Stego Wrap around pipe penetrations by slitting/cutting material as needed. Try to minimise the void space created.
2. If Stego Wrap is close to pipe and void space is minimised then seal around pipe penetration with Stego Tape and/or Stego Mastic. (See Figure 4a)
3. If detail patch is needed to minimise void space around penetration, then cut a detail patch to a size and shape that creates a 150 mm (6”) overlap on all edges around the void space at the base of the pipe. Stego Pre-Cut Pipe Boots are also available to speed up the installation.
4. Cut an “X” the size of the pipe diameter in the centre of the pipe boot and slide tightly over pipe.
5. Tape down all sides of the pipe boot with Stego Tape.
6. Seal around the base of the pipe using Stego Tape and/or Stego Mastic. (See Figure 4b)

**FIGURE 4b: DETAIL PATCH FOR PIPE PENETRATION SEALING**

**MULTIPLE PIPE PENETRATION SEALING:**

Multiple pipe penetrations in close proximity and very small pipes may be sealed using Stego Wrap and Stego Mastic for ease of installation (see figure 5, Multiple Pipe Penetration Sealing).

**FIGURE 5: MULTIPLE PIPE PENETRATION SEALING**
STEGO™ CRETE CLAW™ TAPE INSTALLATION INSTRUCTIONS

SEALING STEGO WRAP

1. Clean surface of Stego Wrap to ensure that it is free of moisture and debris prior to the installation of Stego Crete Claw Tape.
2. Install 75 mm or 150 mm Stego Crete Claw Tape on the entire perimeter of the Stego Wrap installation. Stego Crete Claw Tape should be completely on Stego Wrap.
3. Seal all penetrations with Stego Tape and/or Stego Mastic. Stego Crete Claw Tape is not meant for repairing penetrations.
4. Install Stego Crete Claw Tape on the entire perimeter of the Stego Wrap installation. Stego Crete Claw Tape should be completely on Stego Wrap.
5. Prior to the placement of concrete, ensure that Stego Crete Claw Tape is free of dirt or debris to ensure maximum bond to the concrete.

These are general instructions. Installation requirements may change on a project-by-project basis.

IMPORTANT - For the application of securing Stego Wrap to the bottom of the slab, always use 150 mm wide Stego Crete Claw Tape.