



STEGO® WRAP VAPOR BARRIER

THE INDUSTRY LEADER IN VAPOR BARRIERS



ENGINEERED
PERFORMANCE
LIFE OF THE BUILDING PROTECTION



STEGO® WRAP VAPOR BARRIER



FEATURES & BENEFITS:

- Unsurpassed Performance Track Record
- Longevity and Strength
- Exceptional Tear and Puncture Resistance
- Easy, Reliable Installation
- Competitively Priced
- Life of the Building Warranty
- Installation Support

Our clients have made Stego Wrap the most widely-specified vapor barrier in North America.

STEGO WRAP VAPOR BARRIER is made with our proven trade secret blend of prime virgin resins and additives. Stego Wrap 15-Mil Vapor Barrier is an ASTM E1745 Class A Vapor Barrier (Below 0.01 perms). We focus on producing a product that will maintain its **extremely low permeance**. The protection of Stego Wrap Vapor Barrier provides the flexibility to change flooring types and overall building use without worrying about below-slab moisture vapor.



Since 1998, Stego's engineered films have revolutionized the way the construction industry defends against harmful moisture vapor and soil gases with its flagship product: Stego Wrap Vapor Barrier – which dramatically improves performance against moisture intrusion over conventional methods.

- Stego Wrap 20-Mil Vapor Barrier (Class A)
- Stego Wrap 15-Mil Vapor Barrier (Class A)



THE STEGO® WRAP ADVANTAGE



SUPERIOR DEFENSE AGAINST FLOOR FAILURES:

Infiltration of moisture through concrete slabs is a major building defect liability. Stego Wrap Vapor Barrier has an extremely low permeance rating, helping to prevent water vapor, and soil gases (i.e. Radon) 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 Vapor Barrier is the best protection against these costly failures.



MOLD PREVENTION:

Mold needs three things to survive: moisture, sustained temperature (approximately between 50° and 122° F), and a food source (dust, drywall, etc.). In any given building environment, contractors can only control one of these variables: moisture. Mold spores are present in 100% of building interiors. If moisture is allowed into your building environment, mold can and will grow. Toxic molds 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-publicized cases involving toxic mold have resulted in multimillion-dollar insurance settlements. Many leading insurance companies have severely limited or removed coverage for mold 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 vapor from your below-slab environment. Stego Wrap Vapor 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:

There is really only one chance to select and install a below-slab vapor barrier, before the slab is placed. So, material strength and longevity are critical to the system's success. Stego Wrap Vapor Barrier is engineered to get through difficult installation conditions without puncturing or tearing easily, and the prime virgin resins used to create Stego Wrap Vapor Barrier help ensure long-term performance.



STEGO LIFE OF THE BUILDING WARRANTY:

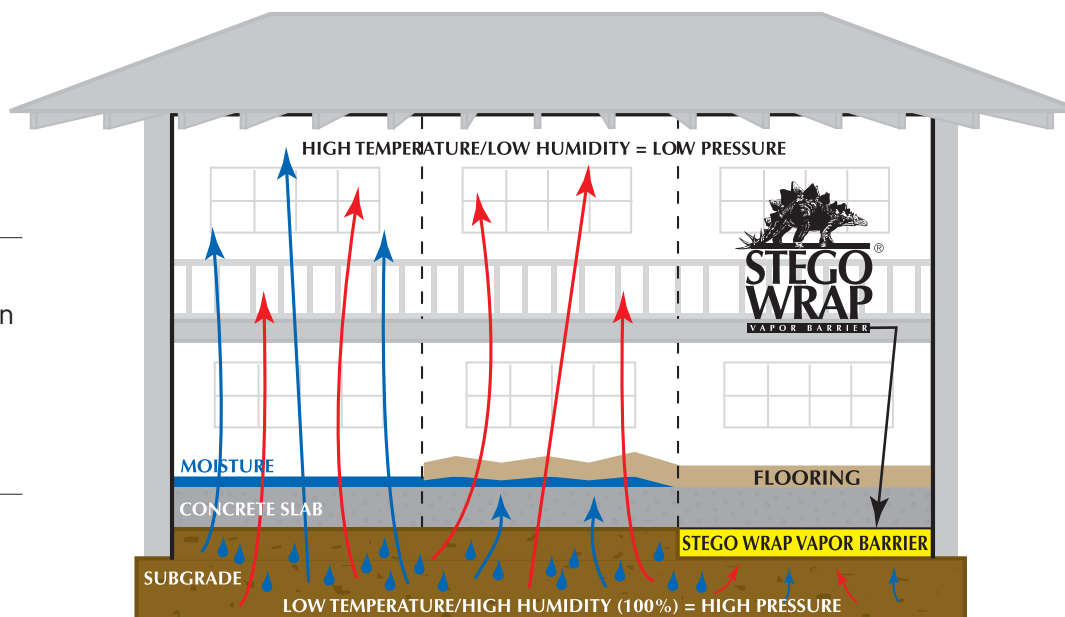
Stego offers the **first-of-its-kind warranty** for its line of Stego Wrap vapor barriers and retarders. **The warranty reinforces the 20-year track record without a single claim of product failure.**

Warranty available online at www.stegoindustries.com/legal



STEGO® WRAP STANDS THE TEST OF TIME

It's the side of the building you never see, but it's the foundation that keeps your structure safe. Stego Industries creates the game-changing barriers below your building's floor slab.



→ RADON GAS → MOISTURE

Regardless of the location of the water table, humidity below concrete slabs approximates 100%. Typical below slab vapor pressure is more than twice that of building interiors at room temperature, creating vapor drive from the substrate, up through the slab, and into the building.

STEGO WRAP 15-MIL VAPOR BARRIER SPECIFICATIONS

PROPERTIES	TEST METHOD	ASTM E1745 CLASS A REQUIREMENTS	TEST RESULT	EXPLANATION
Permeance	ASTM F1249	0.1 perms	0.0086 perms	Very impermeable to water vapor
Puncture Resistance	ASTM D1709	2,200 grams	Method B 2,266 grams	Resistant to puncturing from construction abuse
Tensile Strength	ASTM D882	45.0	70.6	Will not tear easily
Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5)	ASTM E154 Section 8	0.1 perms	0.0098 perms	Permeance after wetting, drying and soaking
	ASTM E154 Section 11	0.1 perms	0.0091 perms	Permeance after heat conditioning
	ASTM E154 Section 12	0.1 perms	0.0097 perms	Permeance after low temperature conditioning
	ASTM E154 Section 13	0.1 perms	0.0095 perms	Permeance after soil organism exposure
Methane Transmission Rate	ASTM D1434		192.8 GTR* mL(STPI)/m ² *day	Greatly impedes the transmission of methane gas
Radon Diffusion Coefficient	K124/02/95		8.8 x 10 ⁻¹² m ² /second	Greatly impedes the transmission of radon gas
Thickness			15 mil	Stronger, tougher and less permeable than much thicker membranes
Roll Dimensions			14' x 140' or 1,960 ft ²	Allows for a minimum of seams
Roll Weight			140 lb	Easy to unroll and install

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

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Note - legal notice on last page.



Stego's Full Line of Engineered ACCESSORY PRODUCTS

Stego also offers the accessories needed for an ASTM E1643-compliant installation, which have been engineered for our Stego Wrap line: **Stego Tape**, **Stego Mastic**, **StegoTack Tape**, **Stego Crete Claw Tape**, and **Stego Term Bar**. Using these products enables an efficient installation, saving time and resources while maintaining the integrity of the vapor barrier system.



Stego® Tape

This adhesive is pressure-sensitive, making it ideal for sealing Stego Wrap seams and penetrations.



Stego® Mastic

A liquid vapor retardant membrane, designed to be used with Stego Wrap, for sealing utility and pipe penetrations.



StegoTack® Tape

A double-sided adhesive strip used to bond and seal Stego Wrap to concrete, masonry, wood, metal, and other surfaces.



Stego® Crete Claw® Tape

A multi-layered tape/detail strip that will mechanically seal Stego Wrap Vapor Barrier to concrete.



BEAST® CONCRETE ACCESSORIES - VAPOR BARRIER SAFE

Stego Industries recommends the use of BEAST vapor barrier-safe concrete accessories, to help eliminate the use of non-permanent penetrations in Stego Wrap installations.



BEAST® FOOT FORMING UTILITY

Beast Foot, with its engineered peel-and-stick base, allows the use of blunt-end and threaded nail stakes to be used without puncturing the all-important Stego Wrap Vapor Barrier.



BEAST® SCREED is a fixed-elevation, point-to-point guide screed system designed to replace common wet-screed methods.

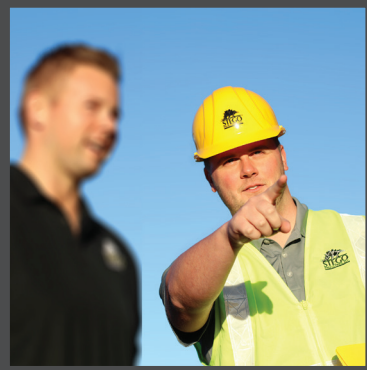
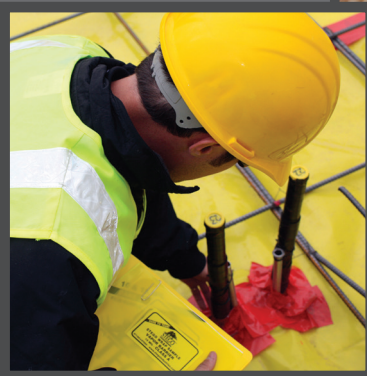


BEAST® HOOK is a **faster, easier** way to set 2x4 overhead screeds. Engineered to be re-used over and over again for maximum value.

Stego INSTALLATION

As with any protection system, the installation of **Stego Wrap** is critical to the system's effectiveness. **Stego Wrap**, **Stego Accessories** and **Beast Concrete Accessories** make it easy to complete a successful installation. Refer to the complete Stego Wrap Installation Instructions on the website at www.stegoindustries.com

STEGO® INSTALLATION SUPPORT



PEACE OF MIND IS OF GREAT VALUE... A **FREE SERVICE** OFFERED BY STEGO INDUSTRIES

When you choose **Stego® Barrier Solutions** and products, you gain access to a large nationwide network of full-time technical sales representatives providing unmatched local support and service.



Stego Installation Support - where our industry leading experts back up the high quality of our products.

Contact

Please contact us to get in touch with the nearest Stego representative.
We look forward to working with you on your next project.
877-464-7834 | www.stegoindustries.com

GAME-CHANGING BARRIER SOLUTIONS

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STEGO® WRAP 15-MIL VAPOR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

1. PRODUCT NAME

STEGO WRAP 15-MIL VAPOR BARRIER

2. MANUFACTURER

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



3. PRODUCT DESCRIPTION

USES: Stego Wrap 15-Mil Vapor Barrier is used as a below-slab vapor barrier.

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

ENVIRONMENTAL FACTORS: Stego Wrap 15-Mil Vapor 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 15-MIL VAPOR BARRIER

PROPERTY	TEST	RESULTS
Under Slab Vapor 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
Water Vapor Permeance	ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0086 perms
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	0.0098 perms 0.0091 perms 0.0097 perms 0.0095 perms
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	2,266 grams
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting	70.6 lbf/in
Thickness		15 mil
Roll Dimensions		width x length: 14' x 140' area: 1,960 ft ²
Roll Weight		140 lb

Note: perm unit = grains/(ft²*hr*in-Hg)

*GTR = Gas Transmission Rate

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Note – legal notice on page 2.

STEGO® WRAP 15-MIL VAPOR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

5. INSTALLATION

UNDER SLAB: Unroll Stego Wrap 15-Mil Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of 6 inches 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 15-Mil Vapor Barrier 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: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com



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STEGO® MASTIC

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JUN 27, 2018

1. PRODUCT NAME

STEGO MASTIC

2. MANUFACTURER

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



3. PRODUCT DESCRIPTION

USES: Stego Mastic is designed to be used as a vapor retardant membrane for use in conjunction with Stego® Wrap Vapor 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 2-gallon or 5-gallon pails, and 20-ounce sausage tubes.

4. TECHNICAL DATA

TABLE 1: PHYSICAL PROPERTIES OF STEGO MASTIC

PROPERTY	TEST	RESULTS
Tensile	ASTM D412	32 psi
Elongation	ASTM D412	3860%
Resistance to Decay	ASTM E154	10% perm loss
Accelerated Aging	ASTM G23	No Effect
Permeance	ASTM E96	0.17 perms
Hydrostatic Water Pressure	ASTM D751	28 psi
Adhesion to Concrete & Masonry	ASTM C836	7 lbf/in
Hardness	ASTM C836	75
Crack Bridging	ASTM C836	No Cracking
Low Temp Flexibility	ASTM C836	No Cracking

Note: perm unit = grains/(ft²*hr*in-Hg)

STEGO® MASTIC

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JUN 27, 2018

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 40°F, and apply above 40°F and below 100°F.

PENETRATIONS:

To repair penetrations in Stego Wrap, cut Stego Wrap just big enough to fit over and around the penetration so as to minimize 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 minimize void space around penetrations, utilize 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 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.

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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STEGO® TAPE

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

1. PRODUCT NAME

STEGO TAPE

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672
 Sales, Technical Assistance
 Ph: (877) 464-7834
 contact@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 3.75" x 180'. Stego Tape ships 12 rolls in a case.

4. TECHNICAL DATA

APPLICABLE STANDARDS:

Pressure Sensitive Tape Council (PSTC)

- PSTC 101 – International Standard for Peel Adhesion of Pressure-Sensitive Tape

American Society for Testing & Materials (ASTM)

- ASTM E1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs

TABLE 4.1: PHYSICAL PROPERTIES OF STEGO TAPE

PROPERTY	RESULTS
Dimensions	3.75" x 180'
Total Thickness	6 mil
Permeance	0.03 perms
Tensile Strength	17 lb/in
Elongation (at break) MD	1060%
Adhesion (20 min dwell ss, PSTC 101)	84 oz/in
Ultraviolet Resistance	Excellent

Note: perm unit = grains/(ft²*hr*in-Hg)

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Note – legal notice on page 2.

STEGO® TAPE

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC10, 2018

5. INSTALLATION

SEAMS: Overlap Stego Wrap 6 inches 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 6 inch overlap around all edges of the void space
- 2) Cut an "X" in the center 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 40°F. In temperatures below 40°F 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 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.

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STEGO® CRETE CLAW® TAPE (3" wide)

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

1. PRODUCT NAME

STEGO CRETE CLAW TAPE (3" wide)

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672
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 Ph: (877) 464-7834
 contact@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 Vapor 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 3" x 180'. Stego Crete Claw Tape (3" wide) ships 16 rolls in a case.

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF STEGO CRETE CLAW TAPE (3" wide)

PROPERTY	RESULTS
Dimensions	3" x 180'
Total Thickness	26 mil
Permeance: ASTM F1249	0.03 perms
D903	17.6 lbf/in
Shear Adhesion Strength: 1 in ² shear test using an Instron 3345 Machine	>49 lbf/in ² *

* Specimens failed by stretching vapor barrier to failure before pulling Stego Crete Claw Tape from concrete.
 Note: perm unit = grains/(ft²*hr*in-Hg)

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 40°F 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.

STEGO® CRETE CLAW® TAPE (3" wide)

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

6. AVAILABILITY & COST

Stego Crete Claw Tape 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

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: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com



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STEGO® CRETE CLAW® TAPE (6" wide)

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

1. PRODUCT NAME

STEGO CRETE CLAW TAPE (6" wide)

2. MANUFACTURER

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 www.stegoindustries.com



3. PRODUCT DESCRIPTION

USES: Stego Crete Claw Tape is a multi-layered tape that is used to seal Stego® Wrap Vapor 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 6" x 180'. Stego Crete Claw Tape (6" wide) ships 8 rolls in a case.

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF STEGO CRETE CLAW TAPE (6" wide)

PROPERTY	RESULTS
Dimensions	6" x 180'
Total Thickness	26 mil
Permeance: ASTM F1249	0.03 perms
180° Adhesion Peel Strength: ASTM D903	17.6 lbf/in
Shear Adhesion Strength: 1 in ² shear test using an Instron 3345 Machine	>49 lbf/in ² *

* Specimens failed by stretching vapor barrier to failure before pulling Stego Crete Claw Tape from concrete.
 Note: perm unit = grains/(ft²*hr*in-Hg)

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 40°F 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.

STEGO® CRETE CLAW® TAPE (6" wide)

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

6. AVAILABILITY & COST

Stego Crete Claw Tape 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

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: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com



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STEGOTACK® TAPE

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JULY 20, 2018

1. PRODUCT NAME

STEGOTACK TAPE

2. MANUFACTURER

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



3. PRODUCT DESCRIPTION

USES: StegoTack Tape is a double-sided adhesive strip used to bond and seal Stego® Wrap Vapor Barrier to concrete, masonry, wood, metal, and other surfaces. StegoTack Tape is a flexible and moldable 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 2" x 50'. StegoTack Tape ships 12 rolls in a case.

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF STEGOTACK TAPE

PROPERTY	RESULTS
Dimensions	2" x 50'
Total Thickness	30 mil
Permeance (30 mil)	0.03 perms
Color	Grey
Material	Synthetic rubber blend
Adhesion to Steel	12.5 lb/in width ASTM D1000
Installation Temperature	40°F/110°F
In Service Temperature Range	-20°F/+140°F
VOC Content	No VOCs, 100% solids

Note: perm unit = grains/(ft²*hr*in-Hg)

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 40°F and 110°F. For additional information please refer to Stego's complete installation instructions.

Continued...

Note – legal notice on page 2.

STEGOTACK® TAPE

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JULY 20, 2018

6. AVAILABILITY & COST

StegoTack Tape 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

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: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: www.stegoindustries.com

10. FILING SYSTEMS

- www.stegoindustries.com



(877) 464-7834 | www.stegoindustries.com

DATA SHEETS ARE SUBJECT TO CHANGE. FOR MOST CURRENT VERSION, VISIT WWW.STEGOINDUSTRIES.COM



STEGO® TERM BAR

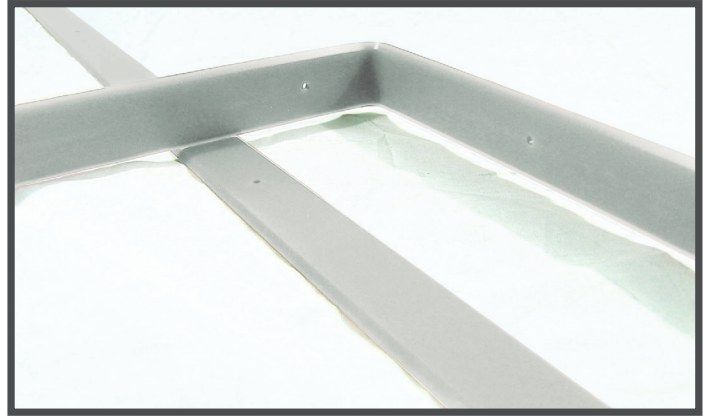
A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

1. PRODUCT NAME

STEGO TERM BAR

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672
 Sales, Technical Assistance
 Ph: (877) 464-7834
 contact@stegoindustries.com
 www.stegoindustries.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 4' x 1.125".

4. TECHNICAL DATA

TABLE 4.1: PHYSICAL PROPERTIES OF STEGO TERM BAR

PROPERTY	RESULTS
Dimensions	4' x 1.125"
Color	Grey
Material	Recycled PVC
Weight	4.7 oz

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 6" 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.

STEGO® TERM BAR

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 10, 2018

6. AVAILABILITY & COST

Stego Term Bar 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

Store above 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.

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STEGO® PRE-CUT PIPE BOOTS

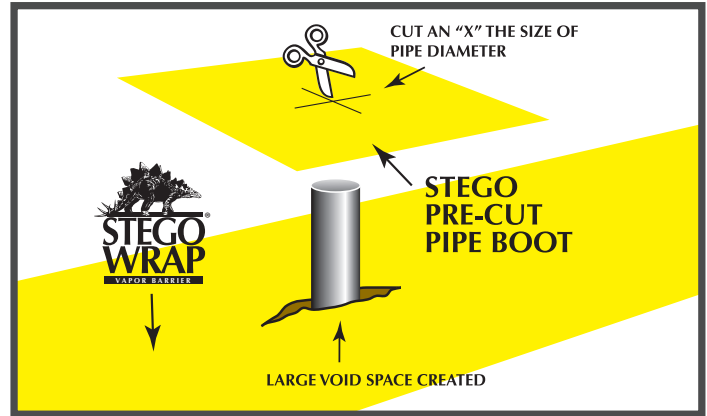
A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JULY 20, 2018

1. PRODUCT NAME

STEGO PRE-CUT PIPE BOOTS

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672
 Sales, Technical Assistance
 Ph: (877) 464-7834
 contact@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 Vapor Barrier (15-mil), and therefore are manufactured from only high grade prime, virgin, polyolefin resins.

SIZE: Stego Pre-Cut Pipe Boots are 18" x 18" and 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

PROPERTY	TEST	RESULTS
Under Slab Vapor 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
Water Vapor Permeance	ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0086 perms
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	0.0098 perms 0.0091 perms 0.0097 perms 0.0095 perms
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	70.6 lbf/in
Thickness		15 mil
Pipe Boot Dimensions		width x length: 18" x 18"

Note: perm unit = grains/(ft²*hr*in-Hg)

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.

STEGO® PRE-CUT PIPE BOOTS

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: JULY 20, 2018

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 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.

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STEGO® WRAP VAPOR BARRIER/RETARDER INSTALLATION INSTRUCTIONS

IMPORTANT: Please read these installation instructions completely, prior to beginning any Stego Wrap installation. The following installation instructions are based on ASTM E1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs. If project specifications call for compliance with ASTM E1643, then be sure to review the specific installation sections outlined in the standard along with the techniques referenced in these instructions.

UNDER-SLAB INSTRUCTIONS:

FIGURE 1: UNDER-SLAB INSTALLATION

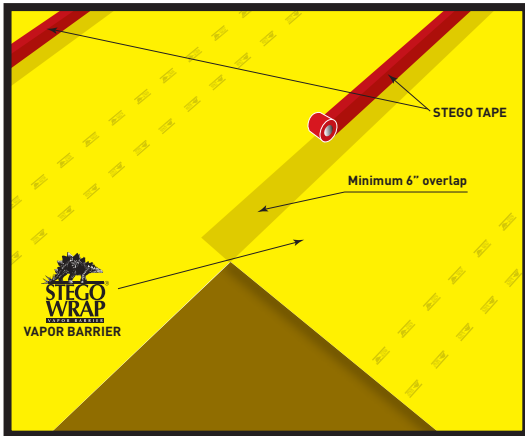


FIGURE 2a: SEAL TO SLAB AT PERIMETER

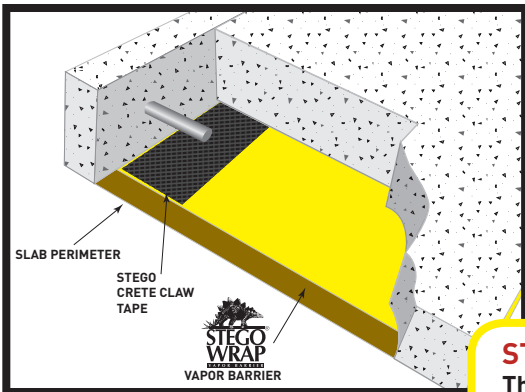
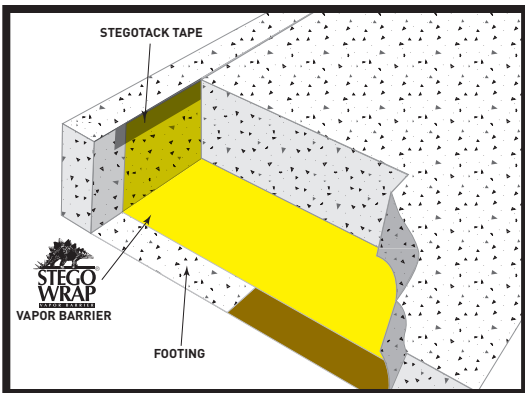


FIGURE 2b: SEAL TO PERIMETER WALL



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 vapor 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 adhesive.

- 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 maximize the bond to the concrete.

STEGO LABOR SAVER!

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

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

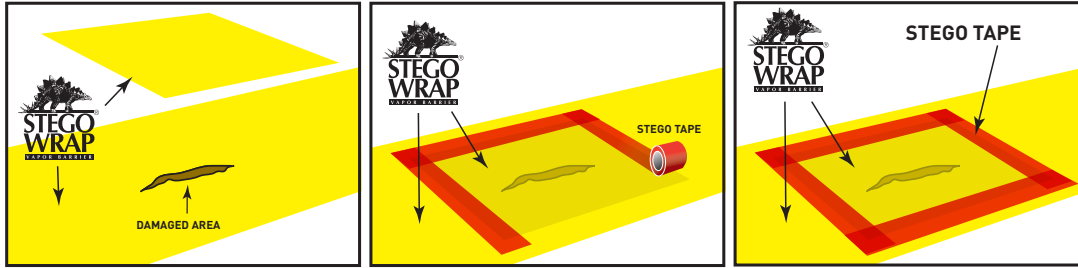
OR SEAL TO PERIMETER WALL WITH STEGOTACK® TAPE:*

- 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.

- 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 6" in all directions. Clean all adhesion areas of dust, dirt, moisture, and frost. Tape down all edges using Stego Tape (See Figure 3).

FIGURE 3: SEALING DAMAGED AREAS

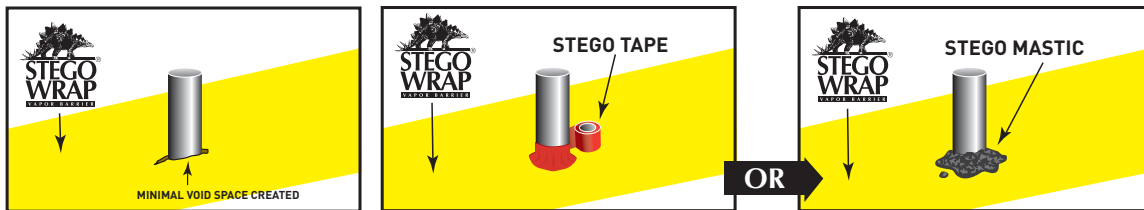


BEAST

NOTE: Stego Industries recommends the use of vapor barrier-safe concrete accessories, like Beast® Screed, to help minimize the amount of penetrations in a Stego Wrap Installation.

- 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). If penetrations are encased in other materials, such as expansive materials like foam, unless otherwise specified, Stego Wrap should be sealed to the underlying penetration directly.

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 minimize the void space created.
- 2: If Stego Wrap is close to pipe and void space is minimized then seal around pipe penetration with Stego Tape and/or Stego Mastic. (See Figure 4a)
- 3: If detail patch is needed to minimize void space around penetration, then cut a detail patch to a size and shape that creates a 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 center 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

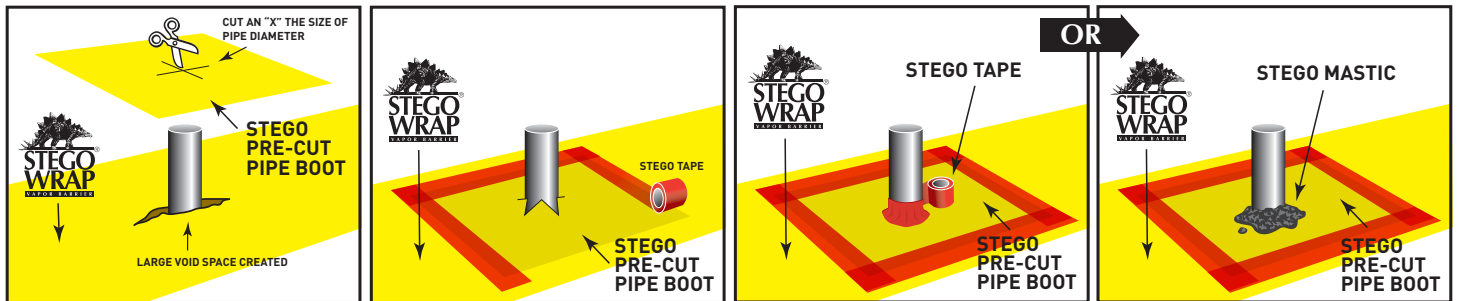
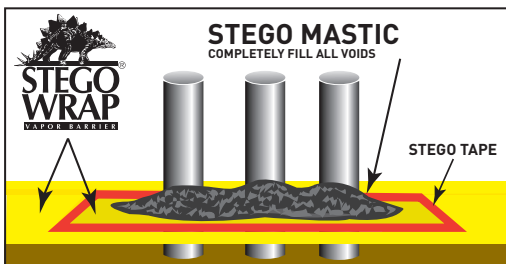


FIGURE 5: MULTIPLE PIPE PENETRATION SEALING

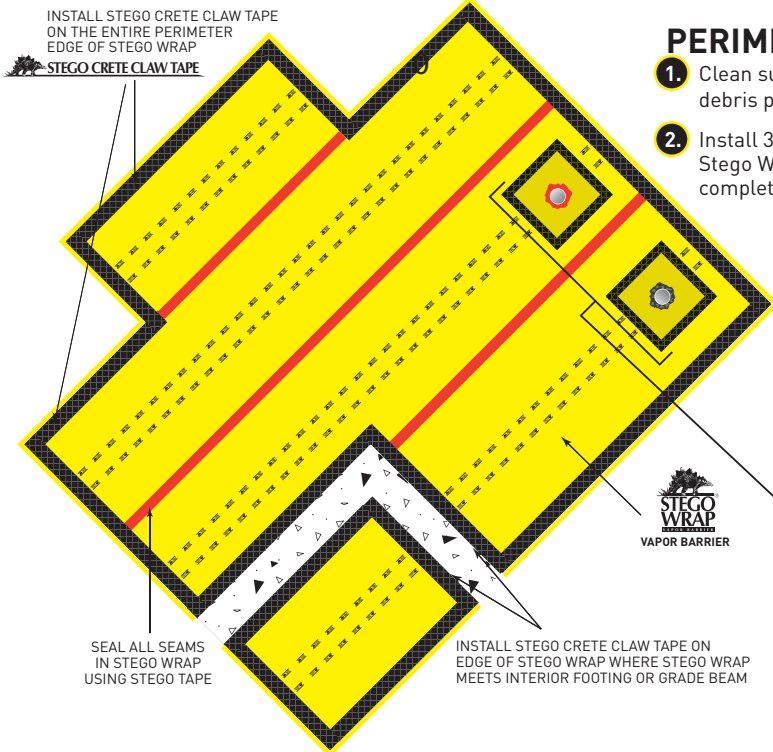


MULTIPLE PIPE PENETRATION SEALING:

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).

NOTE: Stego Industries, LLC's ("Stego") installation instructions are based on ASTM E1643 - *Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs*. These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or Stego products, please call us at 877-464-7834 for technical assistance. While Stego employees and representatives may provide technical assistance regarding the utility of a specific installation practice or Stego product, they are not authorized to make final design decisions.

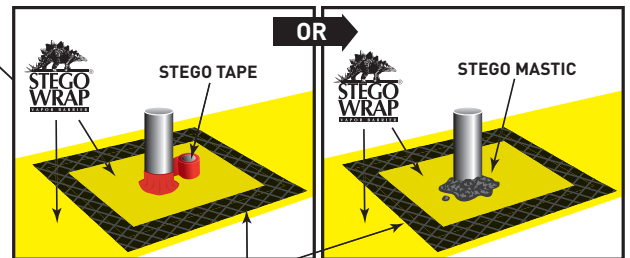
STEGO® CRETE CLAW® TAPE INSTALLATION INSTRUCTIONS



PERIMETER SEAL TO SLAB

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 3" or 6" Stego Crete Claw Tape on the entire perimeter of the Stego Wrap installation. Stego Crete Claw Tape should be completely on Stego Wrap.

SEAL ALL PENETRATIONS WITH STEGO TAPE AND/OR STEGO MASTIC. STEGO CRETE CLAW TAPE IS NOT MEANT FOR REPAIRING PENETRATIONS.



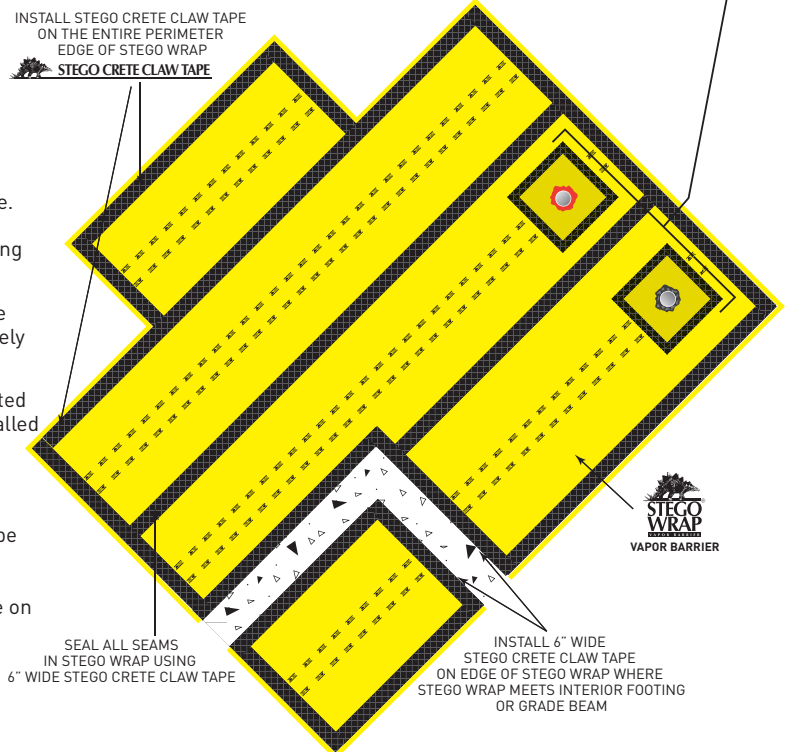
STEGO CRETE CLAW TAPE CAN BE USED TO SEAL SEAM AROUND DETAIL PATCH FOR ADDED PROTECTION.

SECURING STEGO WRAP TO THE BOTTOM OF THE SLAB

1. Clean surface of Stego Wrap to ensure that it is free of moisture and debris prior to the installation of 6" wide Stego Crete Claw Tape.
2. Overlap seams a minimum of 6". Seal all seams in Stego Wrap using Stego Crete Claw Tape.
3. Install 6" wide Stego Crete Claw Tape on the entire perimeter of the Stego Wrap Installation. Stego Crete Claw Tape should be completely on Stego Wrap.
4. Install additional Stego Crete Claw Tape if required. Lab and simulated field tests have shown that if 6" wide Stego Crete Claw Tape is installed on all seams and around the perimeter, then it is more than strong enough to support Stego Wrap. If determined by the architect or engineer, additional Stego Crete Claw Tape may be specified.
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 6" wide Stego Crete Claw Tape.



NOTE: Stego Industries, LLC's ("Stego") installation instructions are based on ASTM E1643 - *Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs*. These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or Stego products, please call us at 877-464-7834 for technical assistance. While Stego employees and representatives may provide technical assistance regarding the utility of a specific installation practice or Stego product, they are not authorized to make final design decisions.