



# 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:**

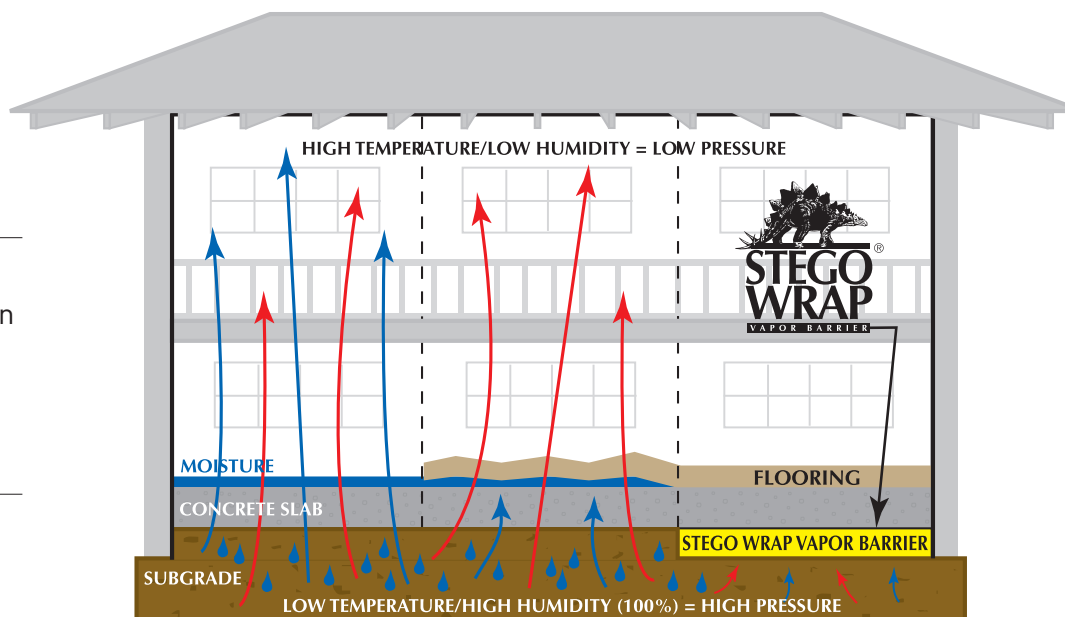
Stego offers the **first-of-its-kind warranty** for its line of Stego Wrap vapor barriers and retarders. **The warranty reinforces the 20-year track record without a single claim of product failure.**

Warranty available online at [www.stegoindustries.com/legal](http://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 <small>(ASTM E1745 Sections 7.1.2 - 7.1.5)</small>	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 <sup>2</sup> *day	Greatly impedes the transmission of methane gas
Radon Diffusion Coefficient	K124/02/95		8.8 x 10 <sup>-12</sup> m <sup>2</sup> /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 <sup>2</sup>	Allows for a minimum of seams
Roll Weight			140 lb	Easy to unroll and install

\*GTR = Gas Transmission Rate    Note: perm unit = grains/(ft<sup>2</sup>\*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.

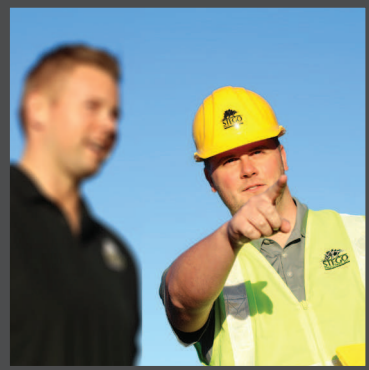


**BEAST® HOOK** is a **faster, easier** way to set 2x4 overhead screeds. Engineered to be re-used over and over again for maximum value.

## 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](http://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](http://www.stegoindustries.com)**

**GAME-CHANGING BARRIER SOLUTIONS**

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