



INSTALLATION INSTRUCTIONS

STEGO® WRAP VAPOR BARRIER /RETARDER

IMPORTANT: Please read these installation instructions completely, prior to beginning any Stego Wrap installation to ensure suitable use of the product. The following installation instructions are based on ASTM E 1643 - Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.

UNDER-SLAB INSTRUCTIONS:

1. Stego Wrap can be installed over an aggregate, sand or tamped earth base. It is not necessary to have a perfectly smooth 1" to 3" 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 poured. Stego Wrap should completely cover the pour area. All joints/seams both lateral and butt should be overlapped six inches and taped using Stego Tape.

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

3. The most efficient installation methodology includes placing Stego Wrap on top of the footing and against the vertical wall. Stego Wrap will then be sandwiched between the footing, vertical wall and poured concrete floor. (See Figure #1). This placement will help protect the concrete slab from external moisture sources after the slab has been poured.
4. **IMPORTANT: ALL PENETRATIONS MUST BE SEALED.** All pipe, ducting, rebar, wire penetrations and blockouts should be sealed using Stego Wrap, Stego Tape and/or Stego Mastic. Individual pipe penetrations should be sealed using a pipe boot constructed of Stego Wrap and Stego Tape (see figure #2 Pipe Penetration Detail). 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 #2 Alternate Pipe Penetration).

5. In the event that Stego Wrap is damaged during or after installation, repairs must be made. Cut a piece of Stego Wrap large enough to cover any damage by a minimum overlap of six inches in all directions. Clean all adhesion areas of dust, dirt and moisture. Tape down all edges using Stego Tape. (See Figure #2).
6. Many vapor retarder manufacturers recommend a 3-inch to 6-inch layer of fine washed gravel or sand (cushion layer) on top of the retarder before the pour to guard against the possibility of damage due to the placement of reinforcement and concrete. **This is permissible, but not a necessity with Stego Wrap.** Stego Wrap is strong enough to withstand normal construction traffic without a protective layer. In fact, ACI guidelines and many flooring companies recommend placement of the concrete slab directly on the vapor barrier/retarder. This eliminates the potential for water to be trapped in the blotter layer and ultimately resurfacing through the slab adversely effecting the flooring system.

NOTE: There are well-publicized pros and cons regarding different approaches to vapor barrier placement. Consult local building codes and regulations and ACI guidelines along with the design or architectural firm's recommendations before proceeding.

REMEMBER: If damaged, Stego Wrap must be repaired using the techniques outlined above.

VERTICAL WALL INSTRUCTIONS:

1. Install an approved waterproofing membrane according to the manufacturer's installation instructions. This may include sheet goods, or liquid applied membranes be they roll, brush or spray.
2. While the membrane is still tacky, install Stego Wrap as a protective course/vapor barrier over the applied waterproofing membrane. Using a termination bar with concrete nails at the termination of the waterproofing membrane is advisable in some applications. (See Figure #1).
3. Supervised care must be taken during back filling against the material so that it is not damaged or punctured. If damage occurs, patch using the techniques outlined above.

WARNING: Any untreated punctures, tears or damage during back filling will greatly reduce the effectiveness of Stego Wrap as a protection course/vapor barrier.