



Stego® Wrap Class C Vapor Retarder

STEGO INDUSTRIES, LLC



Vapor Retarders
07260, 03300

1. Product Name
Stego Wrap Class C Vapor Retarder

2. Manufacturer

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3. Product Description

USES: Stego Wrap Class C Vapor Retarder is used as an exceptional vapor retarder, and as a protection course for below grade waterproofing applications.

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

SIZE: Stego Wrap Class C comes in rolls 14' x 210' or 2,940 ft²

WEIGHT: Stego Wrap Class C rolls weigh approximately 141 lb.

4. Technical Data

APPLICABLE STANDARDS

American Society for Testing & Materials (ASTM)

- ASTM E 1745 - Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs
- ASTM D 882 - Test Methods for Tensile Properties of Thin Plastic Sheeting
- ASTM D 1709 - Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method
- ASTM E 96 - Test Methods for Water Vapor Transmission of Materials
- ASTM E 154 - Test Methods for Water Vapor Retarders Used in Contact with Earth under Concrete Slabs, on Walls, or as Ground Cover

- ASTM E 631 - Terminology of Building Constructions
- ASTM F 1249 - Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor
- ASTM E 1643 - Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs

American Concrete Institute (ACI)

- ACI 302.1R-96 Minimum Thickness (10-mils)

ENVIRONMENTAL FACTORS

Stego Wrap Class C Vapor Retarder can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

5. Installation

UNDERSLAB: Unroll Stego Wrap over an aggregate, sand or tamped earth base. Overlap all seams a minimum of 6" and tape using Stego Tape. All penetrations must be sealed using a combination of Stego Wrap, Stego Tape and/or Stego Mastic.

VERTICAL WALL: Install Stego Wrap over the waterproofing membrane while still tacky. Mechanically fasten Stego Wrap to the wall at the top with termination bar and concrete nails. Drape Stego Wrap down across the footer and under the french drain.

6. Availability & Cost

Stego Wrap Class C is available nationally via building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' sales department.

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 or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

8. Maintenance None required.

9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website: www.stegoindustries.com

10. Filing Systems

- Stego Industries' website
- Buildsite
- MasterSpec
- SpecSource

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP CLASS C VAPOR RETARDER

Property & Test	Stego Wrap Class C
Underslab Vapor Retarders, ASTM E 1745 Class C	Exceeds
Water Vapor Permeance, ASTM E 96 & ASTM F 1249	0.037 perms
Tensile Strength, ASTM D 882	35.2 lbf./in.
Puncture Resistance, ASTM D 1709	1109 grams
Chemical Resistance, ASTM E 154	Unaffected
Life Expectancy, ASTM E 154	Indefinite
Thickness	10 mils

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

