1. **PRODUCT NAME**

**STEGO WRAP 20-MIL VAPOR BARRIER**

2. **MANUFACTURER**

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

3. **PRODUCT DESCRIPTION**

USES: Stego Wrap 20-Mil Vapor Barrier is used as a below-slab vapor barrier.

COMPOSITION: Stego Wrap 20-Mil Vapor Barrier is a multi-layer plastic extrusion manufactured with only the highest grade of prime, virgin, polyolefin resins.

ENVIRONMENTAL FACTORS: Stego Wrap 20-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 4.1: PHYSICAL PROPERTIES OF STEGO WRAP 20-MIL VAPOR BARRIER**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under Slab Vapor Retarders</td>
<td>ASTM E1745 Class A, B &amp; C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs</td>
<td>Exceeds Class A, B &amp; C</td>
</tr>
<tr>
<td>Water Vapor Permeance</td>
<td>ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor</td>
<td>0.0071 perms</td>
</tr>
</tbody>
</table>
| Permeance After Conditioning       | 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 | 0.0088 perms  
                                     | 0.0081 perms  
                                     | 0.0084 perms  
                                     | 0.0077 perms                               |
| Methane Transmission Rate          | ASTM D1434 - Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting | 152.2 GTR*  
                                     | (mL(STP)/m²*day)                           |
| Radon Diffusion Coefficient        | K124/02/95                                                           | 9.9 x 10^{-12} m²/second                   |
| Puncture Resistance                | ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method | 3500+ grams**                             |
| Tensile Strength                   | ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting | 97.7 lbf/in                                |
| Thickness                          |                                                                      | 20 mil                                     |
| Roll Dimensions                    |                                                                      | width x length:  
                                     |                                                                      | 14’ x 105’  
                                     |                                                                      | area:  
                                     |                                                                      | 1470 ft²                                  |
| Roll Weight                        |                                                                      | 140 lb                                     |

Note: perm unit = grains/(ft²*hr*in-Hg)  
*GTR = Gas Transmission Rate  
**The material maxed out the testing equipment and did not fail at 3746 grams.
5. INSTALLATION

UNDER SLAB: Unroll Stego Wrap 20-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 20-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 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: stegoindustries.com

10. FILING SYSTEMS: stegoindustries.com