

Yellow Guard®

20 MIL VAPOR BARRIER

Husky® Yellow Guard® premium vapor barriers are waterproofing membranes manufactured using top-quality polyethylene (polyolefin) resins. Husky® Yellow Guard® vapor barriers are manufactured to be used in contact with soil and granular fill under concrete slabs, beams, and footings, and provide exceptionally low water vapor permeance. Husky® Yellow Guard® vapor barriers are manufactured by Poly-America, an industry leader in the manufacture of polyethylene films. Poly-America utilizes state-of-the-art processing equipment.



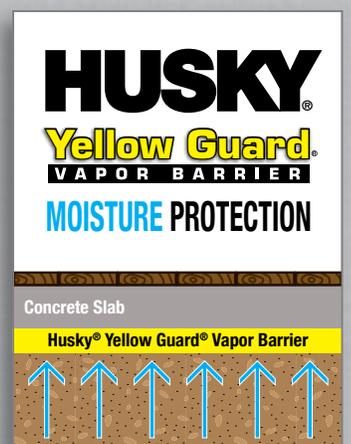
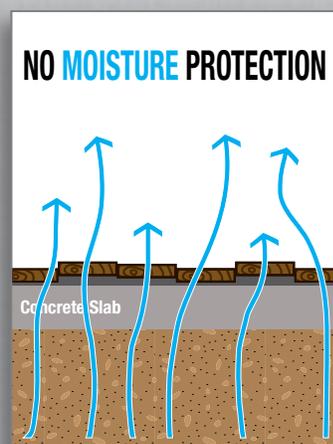
VAPOR BARRIER HIGHLIGHTS

- Developed for use as a durable vapor barrier.
- Multi-layer product formulated from top-quality polyethylene (polyolefin) resins.
- Exceeds industry-standard ASTM E 1745 Class A, Class B, and Class C specifications.
- Restricts migration of soil gases such as radon and methane.
- Exceptionally low water vapor permeance, ten times lower than industry-standard ASTM E 1745 Class A requirement.
- Manufactured by Poly-America on state-of-the-art manufacturing equipment with full-time on-line quality monitoring and routine laboratory testing.
- Maintains low water vapor permeance even after exposure to severe field conditions.
- Outstanding tensile properties and puncture resistance.
- Excellent resistance to low-temperature brittleness.
- Available nationwide.

Manufacturing Quality Control & Quality Assurance

All resins, additives, and concentrates for use in Husky® Yellow Guard® vapor barrier must meet Poly-America's stringent raw material specifications. Husky® Yellow Guard® vapor barrier is manufactured with continuous process-control monitoring and is routinely tested in Poly-America's state-of-the-art laboratory during and after production.

In addition, Husky® Yellow Guard® vapor barrier has been tested by accredited, independent laboratories to ensure that it meets ASTM E 1745 Class A, Class B, and Class C specifications.



PROPERTIES OF 20 MIL HUSKY® YELLOW GUARD® VAPOR BARRIER

| Properties | Test Method | ASTM E 1745 Class A Requirements | Yellow Guard® Vapor Barrier Test Result* | Measures |
|---|----------------------|-------------------------------------|---|---|
| Permeance | ASTM F 1249 | 0.1 perms | 0.0073 perms/**0.0033 WVTR | Resistance to water vapor |
| Puncture Resistance | ASTM D 1709 Method B | 2200 g | 3577 g | Impact energy required to cause failure |
| Tensile Strength | ASTM D 882 | 45.0 lbf/in | 101.5 lbf/in | Force required to break/rupture film |
| Permeance After Conditioning (ASTM F 1249) | ASTM E 154 | | | Resistance to water vapor after: |
| | Section 8 | 0.1 perms | 0.0056 perms | -wetting, drying, and soaking |
| | Section 11 | 0.1 perms | 0.0066 perms | -heat conditioning |
| | Section 12 | 0.1 perms | 0.0068 perms | -low-temperature conditioning |
| | Section 13 | 0.1 perms | 0.0073 perms | -soil organism exposure |
| Methane Transmission Rate | ASTM D 1434 | | 94.27 mL (STP)/(m ² · day) | Transmission through a membrane |
| Radon Permeability Coefficient | | | 8.3 x 10 ⁻¹⁴ m ² /sec | |
| Thickness | | | 20 mils | |
| Roll Dimensions | | | 14 ft x 105 ft | |
| Roll Weight | | | 142.4 lbs | |

*All values are typical values and may vary within industry tolerances.

**WVTR (Water Vapor Transmission Rate) in g/(100 in² · day)

Perm = grains/(ft² · hr · inHg)



Installation

Installation of Husky® Yellow Guard® vapor barrier, including placement, lap joints, pipe penetrations, protection, repair, and suggested field check list, shall be in accordance with ASTM E 1643 standard practice and the project plans and specifications.

Availability

Husky® Yellow Guard® 20 mil vapor barriers are available nationwide. Visit www.yellowguard.com for more information.

Limited Replacement Warranty

Poly-America provides a limited replacement warranty on Husky® Yellow Guard® vapor barrier representing that the vapor barrier is free from material defects for a period of 1 year from the date of sale. The specific details of Poly-America's limited replacement warranty are available at <http://www.yellowguard.com/limitedwarranty.pdf>.

Poly-America

2000 W. Marshall Dr. • Grand Prairie, TX 75051

800-527-3322 • 972-337-7654 • Fax 972-337-7016 • www.yellowguard.com • yellowguard@poly-america.com

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