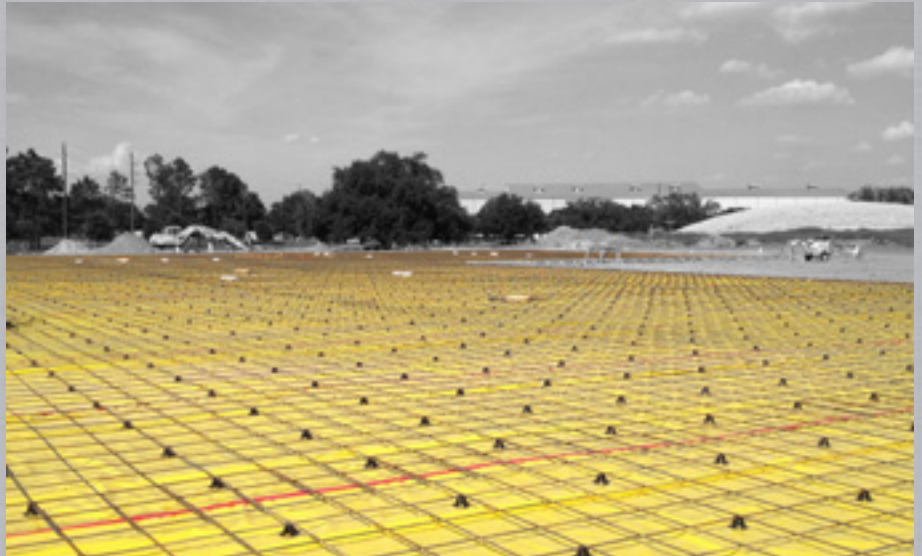


# Yellow Guard®

## 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.



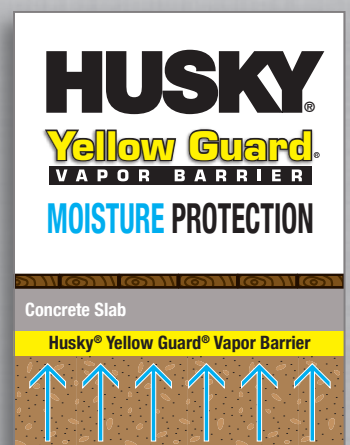
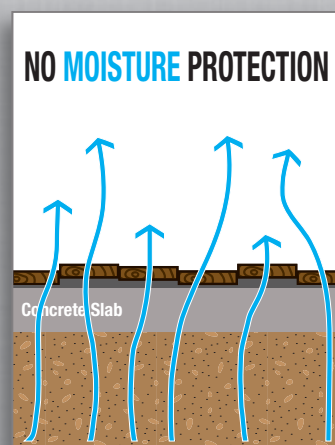
## VAPOR BARRIER HIGHLIGHTS

- 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<br>Class A Requirements | Yellow Guard® Vapor Barrier<br>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<br>(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 <sup>2</sup> · day)       | Transmission through a membrane         |
| Radon Permeability Coefficient                |                      |                                     | 8.3 x 10 <sup>-14</sup> m <sup>2</sup> /sec |                                         |
| Thickness                                     |                      |                                     | 20 mils                                     |                                         |
| Roll Dimensions                               |                      |                                     | 14 ft x 105 ft                              |                                         |
| Roll Weight                                   |                      |                                     | 142.4 lbs                                   |                                         |

\*WVTR (Water Vapor Transmission Rate) in g/(100 in<sup>2</sup> · day)

Perm = grains/(ft<sup>2</sup> · 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](http://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

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The information provided herein has been compiled by Poly-America, L.P. and to the best of our knowledge accurately represents Poly-America's Yellow Guard® vapor barriers at the time of publication. This publication is offered "as is," for preliminary planning purposes only, without any warranties of any kind. Final determination of suitability of this information or these products for the use contemplated and its manner of use is the sole responsibility of the end user. Poly-America, L.P. assumes no liability in connection with the use of this information and these products. This information is subject to change without notice.

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