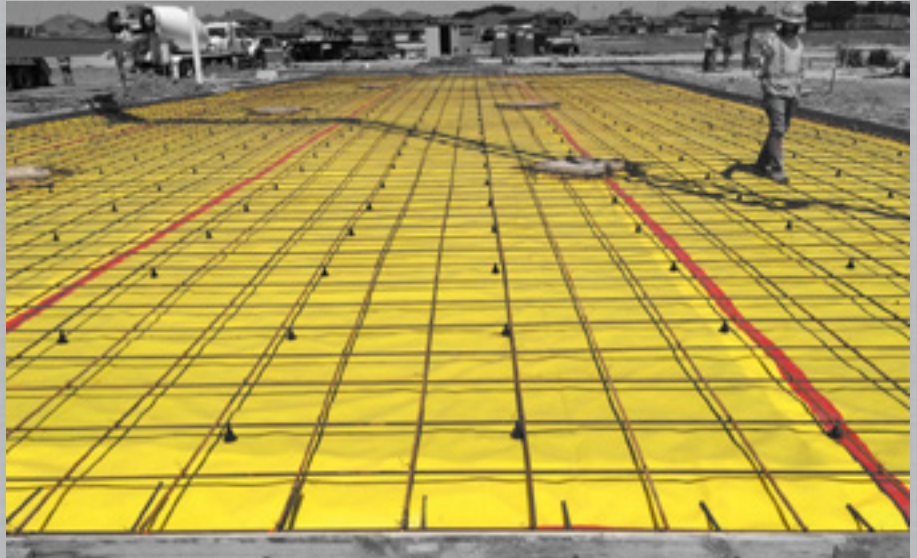


# Yellow Guard®

**10 MIL  
CLASS A**

**VAPOR RETARDER**

Husky® Yellow Guard® vapor retarders are waterproofing membranes manufactured using top-quality polyethylene (polyolefin) resins. Husky® Yellow Guard® vapor retarders 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 retarders are manufactured by Poly-America, an industry leader in the manufacture of polyethylene films. Poly-America utilizes state-of-the-art processing equipment.



## VAPOR RETARDER HIGHLIGHTS

- Developed for use as a durable vapor retarder.
- 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, three 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 retarders must meet Poly-America's stringent raw material specifications. Husky® Yellow Guard® vapor retarder 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 retarder has been tested by accredited independent laboratories to ensure that it meets ASTM E 1745 Class A, Class B, and Class C specifications.

### Installation

Installation of Husky® Yellow Guard® vapor retarder, 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 specifications and plans.

### Availability

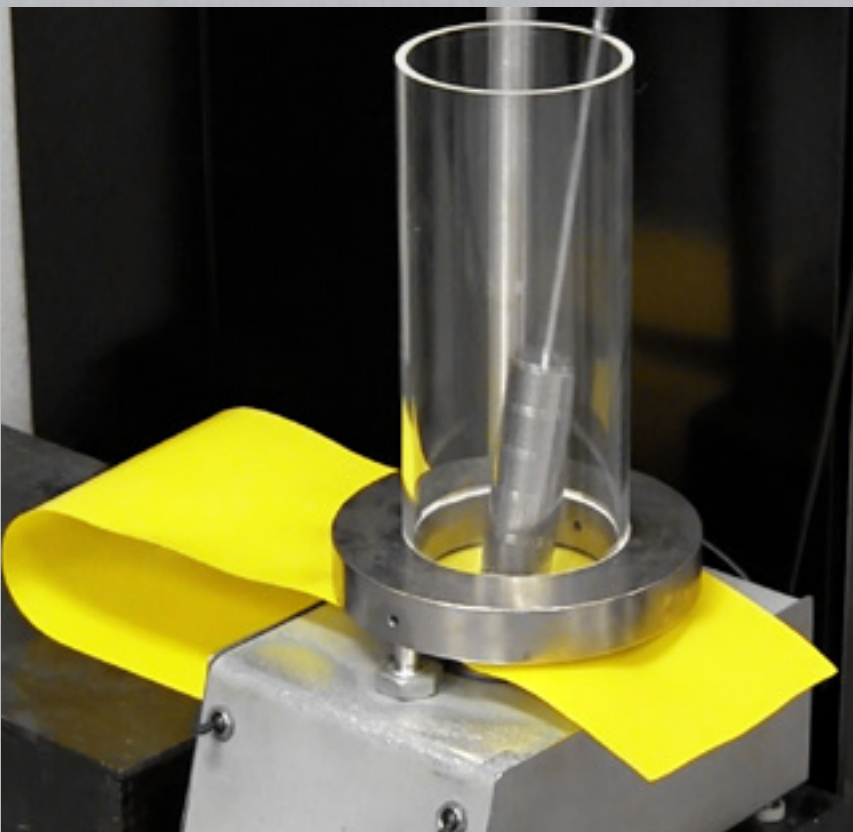
Husky® Yellow Guard® 10 mil vapor retarders are available nationwide. Visit [www.yellowguard.com](http://www.yellowguard.com) for more information.

# PROPERTIES OF 10 MIL HUSKY® YELLOW GUARD® CLASS A VAPOR RETARDER

Properties	Test Method	ASTM E 1745 Class A Requirements	Yellow Guard® Vapor Retarder Test Result	Measures
Permeance	ASTM F 1249	0.1 perms	0.028 perms/*0.0126 WVTR	Resistance to water vapor
Puncture Resistance	ASTM D 1709 Method B	2200 g	3500 g	Impact energy required to cause failure
Tensile Strength	ASTM D 882	45.0 lbf/in	50 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	0.030 perms	-wetting, drying, and soaking
	Section 11	0.1 perms	0.031 perms	-heat conditioning
	Section 12	0.1 perms	0.031 perms	-low-temperature conditioning
	Section 13	0.1 perms	0.032 perms	-soil organism exposure
Thickness			10 mils	
Roll Dimensions			14 ft x 210 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)



## Limited Replacement Warranty

Poly-America provides a limited replacement warranty on Husky® Yellow Guard® vapor retarder representing that the vapor retarder 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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800-527-3322 • 972-337-7610 • Fax 972-337-7016 • [www.yellowguard.com](http://www.yellowguard.com) • yellowguard@poly-america.com

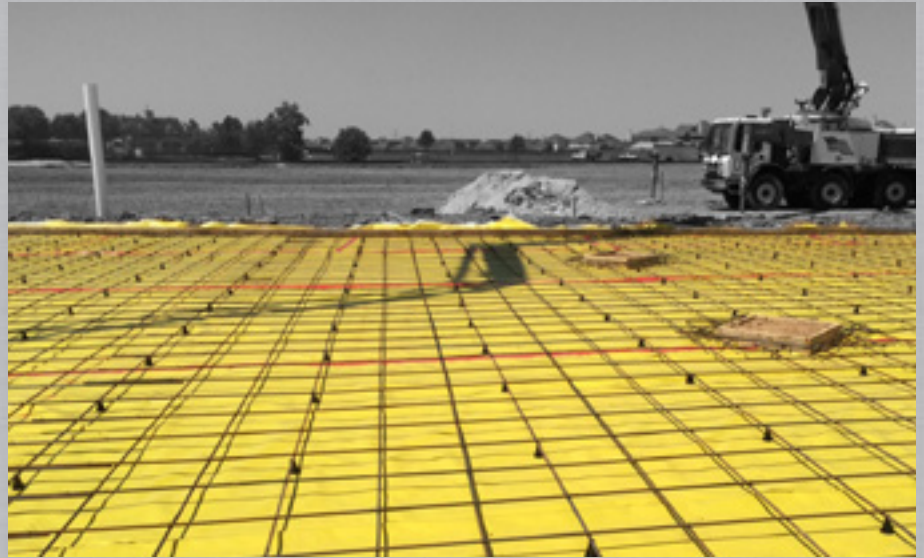
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57-023-0085B Rev 05/21

# Yellow Guard®

## 15 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.



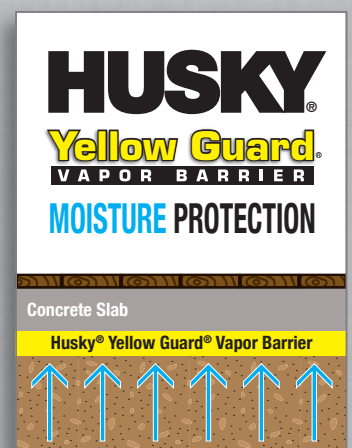
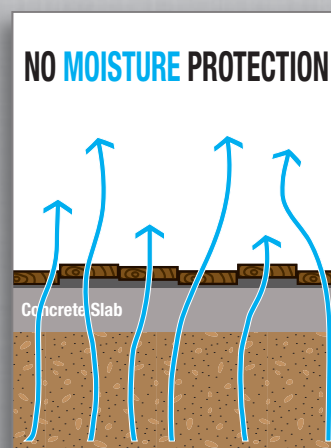
## VAPOR BARRIER HIGHLIGHTS

- 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 15 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	0.0082 perms/*0.0037 WVTR	Resistance to water vapor
Puncture Resistance	ASTM D 1709 Method B	2200 g	2300 g	Impact energy required to cause failure
Puncture Resistance	ASTM D 4833		183 N	Force required to puncture film
Tensile Strength	ASTM D 882	45.0 lbf/in	79.3 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	0.0087 perms	-wetting, drying, and soaking
	Section 11	0.1 perms	0.0090 perms	-heat conditioning
	Section 12	0.1 perms	0.0087 perms	-low-temperature conditioning
	Section 13	0.1 perms	0.0093 perms	-soil organism exposure
Methane Transmission Rate	ASTM D 1434		182.91 mL(STP)/(m <sup>2</sup> · day)	Transmission through a membrane
Radon Permeability Coefficient			6.7 x 10 <sup>-14</sup> m <sup>2</sup> /sec	
Thickness			15 mils	
Roll Dimensions			14 ft x 140 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® 15 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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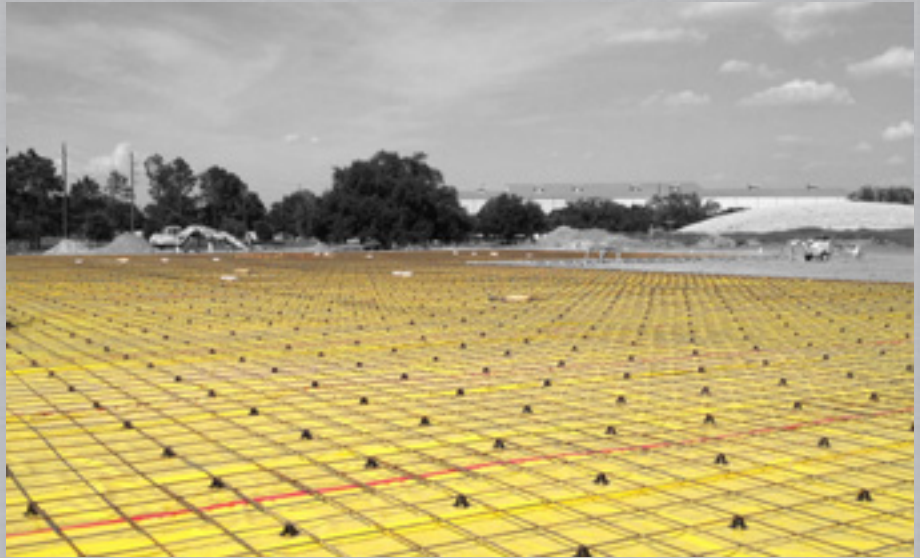
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57-023-0086B Rev 05/21

# 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.



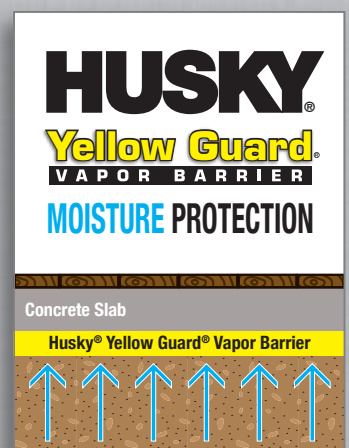
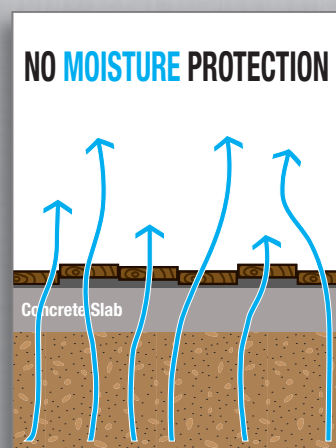
## VAPOR BARRIER HIGHLIGHTS

- 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 <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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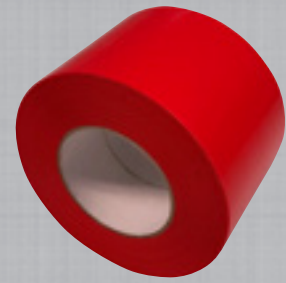
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57-023-0094B Rev 05/21

# Yellow Guard®

## POLYETHYLENE TAPE



Husky® Yellow Guard® Tape is made with polyethylene film coated with high-tack pressure-sensitive rubber adhesive. Husky® Yellow Guard® Tape is conformable and flexible with excellent durability and is an excellent choice for splicing, seaming, and patching of Yellow Guard® Vapor Retarder/Barriers.

All areas to be taped must be clean and dry prior to sealing in accordance with ASTM E1643 — Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.

## TECHNICAL DATA

<b>Total Thickness (ASTM D1000)</b> .....	<b>9.0 mils</b>
<b>Adhesion to Steel (PSTC 101)</b> .....	<b>134 oz/in</b>
<b>Tensile Strength (ASTM D1000)</b> .....	<b>33 lb/in</b>
<b>Permeance (ASTM F1249)</b> .....	<b>0.09 US Perms</b>
<b>WVTR (ASTM F1249)</b> .....	<b>0.22 g/(100 in<sup>2</sup> • day)</b>
<b>Application Temperature</b> .....	<b>30 to 160°F</b>
<b>Recommended Storage Conditions</b> .....	<b>60-80°F at 40-60% RH</b>
<b>Roll Size</b> .....	<b>3.75 in x 180 ft</b>

All values are typical test values.

**CONTACT POLY-AMERICA'S SALES DEPARTMENT WITH QUESTIONS OR FOR PRICING AND LOCAL DISTRIBUTION OPTIONS.**

### **Poly-America**

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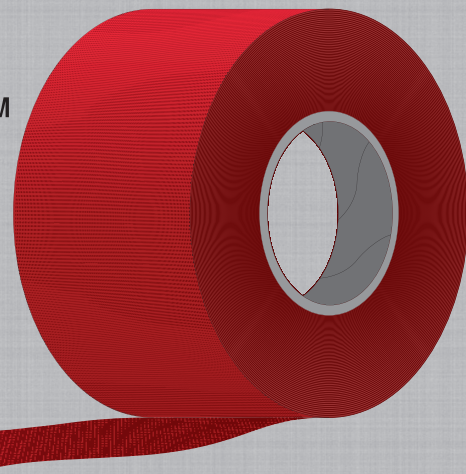
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57-023-0105B Rev 05/21

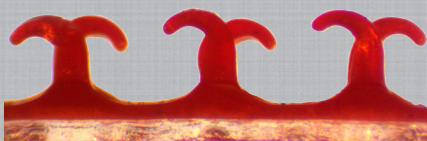
# Yellow Guard™ CRETE LOCK™

## CONCRETE GRIPPING TAPE



Husky™ Yellow Guard™ Crete Lock™ Concrete Gripping Tape is designed to mechanically bond Husky™ Yellow Guard™ vapor retarder to the concrete slab using our Crete Lock™ technology. The top of the Crete Lock™ Tape bonds to the slab at the time of the pour, becoming part of the slab itself. The base of the Crete Lock™ tape is coated with a high-tack adhesive which boasts the industry's best bond from tape to barrier.

**CRETE LOCK™ TAPE  
SIDE VIEW DETAIL**



**INSTALLATION RECOMMENDATIONS:** All areas to be taped must be clean and dry prior to sealing. Seams should be sealed first using either Husky™ Yellow Guard™ Tape or Husky™ Yellow Guard™ Crete Lock™ Concrete Gripping Tape. After the seams are sealed and as recommended by the architect or engineer, the perimeter of the vapor retarder as well as a checker-board pattern of Husky™ Yellow Guard™ Crete Lock™ Concrete Gripping Tape may be created to provide additional surface area adhesion between the vapor barrier and the slab. For best results, ensure that the upper (textured) side of Husky™ Yellow Guard™ Crete Lock™ Tape is free of any contamination by soil, dust and debris prior to placement of concrete. For full installation of Husky™ Yellow Guard™ and Husky™ Yellow Guard™ Crete Lock™ Concrete Gripping Tape, refer to ASTM E 1643 and ACI 302.2R-06.

## TECHNICAL DATA

TOTAL THICKNESS .....	30 mils
PERMEANCE, ASTM F1249 .....	0.03 perms
180° PEEL ADHESION STRENGTH, ASTM D903 .....	17.6 lbs/in
SHEAR ADHESION STRENGTH - 1 in <sup>2</sup> Embedded in Concrete ....	> 49 lbs/in <sup>2</sup> *
APPLICATION TEMPERATURE .....	40°F – 122°F
ROLL WIDTH .....	6 in
ROLL LENGTH .....	150 ft

\*Specimens stretched and failed before pulling the tape out of concrete



**CRETE LOCK™ TAPE  
AERIAL VIEW DETAIL**

**CONTACT POLY-AMERICA'S SALES DEPARTMENT WITH QUESTIONS OR FOR PRICING AND LOCAL DISTRIBUTION OPTIONS.**

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