



WHITE POLYETHYLENE SEAM TAPE

SPECIFICATION INFORMATION VAPOR RETARDERS DIVISIONS: 033000, 072600

Revised: 03-15-10

1.0 PRODUCT NAME

WHITE POLYETHYLENE TAPE

4" X 180' Polyethylene Seam Tape.

2.0 MANUFACTURER



Insulation Solutions®

Insulation Solutions Inc.
401 Truck Haven Road
East Peoria, IL 61611

Technical Assistance
Toll Free: 866-698-6562
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3.0 PRODUCT DESCRIPTION

3.1 Basic Use:

WHITE POLYETHYLENE TAPE is a low-residue, aggressive adhesive seam tape designed for seaming, splicing, sealing, patching and hanging plastic type vapor barrier materials. **WHITE POLYETHYLENE TAPE** has a low water vapor permeance which helps in maintaining superior moisture/vapor resistance at vapor barrier seams. **WHITE POLYETHYLENE TAPE** bonds well to most surfaces over a wide temperature range.

3.2 Composition & Materials:

WHITE POLYETHYLENE TAPE is a polyethylene film, single coated with a rubber pressure sensitive adhesive. **WHITE POLYETHYLENE TAPE** releases easily off of the roll which prevents stretching and curling during and after installation. **WHITE POLYETHYLENE TAPE** is designed and manufactured with a serrated edge to facilitate easy roll tear off during installation.

3.3 Size & Packaging:

WHITE POLYETHYLENE TAPE is available in 4" x 180' rolls. There are 12 rolls per case and 36 cases per pallet.

3.4 Weight:

WHITE POLYETHYLENE TAPE weighs approximately 5 pounds per roll yielding approximately 60 pounds per case.

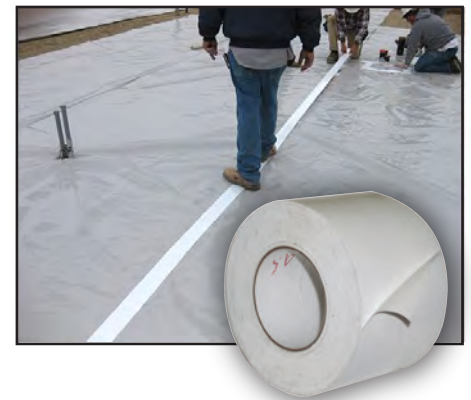
3.5 Benefits:

- Aggressive Adhesion
- Serrated Edge for Ease of Installation
- Very Low Water Vapor Permeance
- Struggle Free Release from Roll
- Suitable for All Plastic Type Vapor Barriers
- 4" Wide Rolls for More Area of Adhesion

4.0 TECHNICAL DATA

4.1 Applicable Standards

- American Society for Testing & Materials (ASTM)
- Pressure Sensitive Tape Council (PSTC)
- **ASTM E 1745** Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs
- **ASTM E 1643** Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs
- **ASTM D 1000** Standard Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications
- **PSTC 101** International Standard for Peel Adhesion of Pressure Sensitive Tape
- **ASTM E 96** Standard Test Methods for Water Vapor Transmission of Materials



| PROPERTIES | TEST METHOD | WHITE POLY TAPE | |
|---|-----------------------------|---------------------|------------------------|
| | | IP Units | SI Units |
| <i>Test Procedure - Independent Test Facility</i> | <i>Applicable Standards</i> | | |
| Roll Size | | 4" x 180' | 96 mm x 55 m |
| Total Thickness (Not including liner) | | 7.5-mil | 0.190 mm |
| Adhesive Thickness (Rubber) | | 3.0-mil | 0.076 mm |
| Peel Adhesion: Initial to S.S. (20 min. @ RT) | PSTC 101 Mod. | 60 oz/inch | 17 N/25 mm |
| Backing Adhesion: Initial to Backing Substrate (20 min. @ RT) | PSTC 101 Mod. | 35 oz/inch | 9.6 N/25 mm |
| Tensile Strength | ASTM D 1000 | 24 lbs./in. | 105 N/25 mm |
| Elongation | ASTM D 1000 | 70% | |
| Water Vapor Permeance | ASTM E 96 | <0.001 Perms (U.S.) | <0.0007 Perms (Metric) |
| Operating Temperature Range | | 32°F to 160°F | 0°C to 70°C |

Note: Recommended application temperature to achieve best results is 40°F (4°C) or above.

4.2 Environmental Considerations:

When sealing vapor barrier overlaps, **WHITE POLYETHYLENE TAPE** helps control soil gas and poisons such as methane, radon, sulfates and petroleum contaminated soil.

5.0 INSTALLATION

5.1 Sub-Grade Preparation:

Level and tamp or roll granular base as specified by the architectural or structural drawings.

5.2 Vapor Barrier Placement:

Unroll vapor barrier with the longest dimension parallel with the direction of the pour. Unfold vapor barrier to full width.

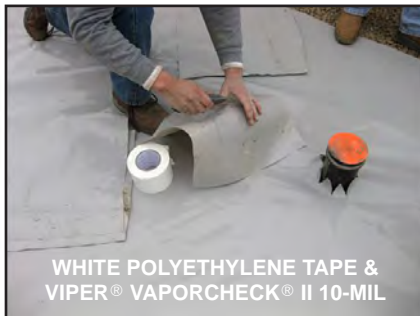
Lap vapor barrier over the footings and seal to the vertical foundation walls with either **WHITE POLYETHYLENE TAPE**, **VIPER® DOUBLE BOND TAPE**, **VIPER® VAPORPATCH** or **VAPORCHECK® MASTIC**.

5.3 Surface Preparation:

When installing **WHITE POLYETHYLENE TAPE**, **VIPER® DOUBLE BOND TAPE**, **VIPER® VAPORPATCH** or **VAPORCHECK® MASTIC**, make sure the area of adhesion is free from dust, dirt and moisture to allow maximum adhesion.

5.4 Seams and Penetrations:

Seal around pipes, support columns or any other penetration with **VIPER® VAPORPATCH**, **VAPORCHECK® MASTIC** or at minimum a combination of the vapor barrier and **WHITE POLYETHYLENE TAPE**. Doing so creates a monolithic membrane that isolates the surface of the slab from moisture sources below.



Holes or openings through vapor barrier should be effectively sealed with **WHITE POLYETHYLENE TAPE**, **VIPER® VAPORPATCH** or **VAPORCHECK® MASTIC** to maintain the integrity of the vapor barrier. Overlap joints a minimum of six inches. Seal overlap together with **WHITE POLYETHYLENE TAPE** and/or **VIPER® DOUBLE BOND TAPE**.



5.5 VIPER® VAPORPATCH Installation:

1. **VIPER® VAPORPATCH** is available in 12" X 50' rolls. Cut patch to desired length using "dashed" guide line (printed between each pipe diameter template).
2. Cut an "X" through **VIPER® VAPORPATCH** to fit the diameter of the pipe (Grid ranges from one to eight inches).
3. Slide **VIPER® VAPORPATCH** tightly over pipe penetration.
4. Peel off the release paper (exposing the all weather adhesive) and firmly apply to the vapor barrier and pipe.
5. Seal off any exposed area with **VAPORCHECK® MASTIC** or **WHITE POLYETHYLENE TAPE**.

Note: Further information on **VIPER® VAPORPATCH** may be obtained from product data sheet or online at www.insulationsolutions.com.

6.0 AVAILABILITY & COST

WHITE POLYETHYLENE TAPE is sold through construction supply houses across the United States and Canada.

WHITE POLYETHYLENE TAPE current cost information can be obtained by calling our Corporate Office at 866-698-6562.

7.0 WARRANTY

INSULATION SOLUTIONS INC.® MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, NO GUARANTEE OF SATISFACTORY RESULTS FROM RELIANCE UPON CONTAINED INFORMATION OR RECOMMENDATIONS AND DISCLAIMS ALL LIABILITY FOR RESULTING LOSS OR DAMAGE.

8.0 MAINTENANCE

WHITE POLYETHYLENE TAPE requires no maintenance once installed.

9.0 TECHNICAL SERVICES

Technical Information and detailed test results can be obtained by calling our Corporate Office at 866-698-6562.

10.0 FILING SYSTEMS

Additional Information can be obtained by calling our Corporate Office at 866-698-6562 or online at www.insulationsolutions.com.



Note: To the best of our knowledge, the specification chart on page one lists typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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