

SPECIFICATION INFORMATION



VIPER®

WHITE POLY SEAM TAPE

Vapor Retarders
Division: 03300
Division: 07260

1.0 Product Name

White Polyethylene Tape
4" x 180' white seam Tape.

2.0 Manufacturer



Insulation Solutions®

Insulation Solutions Inc.
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East Peoria, IL 61611

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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 bonds well to most surfaces over a wide temperature range. White Polyethylene Tape is designed with a serrated edge to facilitate easy tearing during installation.

3.2 Composition & Materials:

White Polyethylene Tape is compiled of a polyethylene film, single coated with a rubber pressure sensitive adhesive. White Polyethylene Tape releases easily off the roll which prevents stretching and curling during and after installation.

3.3 Size:

White Polyethylene Tape is available in 4" x 180' rolls. White Polyethylene Tape ships 12 rolls per case.

3.4 Weight:

White Polyethylene Tape weighs approximately 5 lbs. per roll (60 lbs/case).



4.0 Technical Data

4.1 Applicable Standards

American Society for Testing and 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

Note: To the best of our knowledge, these are 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.

PROPERTIES

TEST METHOD

WHITE POLYETHYLENE TAPE

<i>Test Results - Independent Test Facility</i>		<i>English</i>	<i>Metric</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/in.	17 N/25 mm
Backing Adhesion Initial to Backing Substrate (20 min. @ RT)	PSTC 101 Mod.	35 oz/in.	9.6 N/25 mm
Tensile Strength	ASTM D 1000	24 lbs./in.	105 N/25 mm
Elongation	ASTM D 1000		70%
Minimum Temperature Range		32°F	0°C
Maximum Temperature Range		160°F	70°C

4.2 Environmental Considerations:

White Polyethylene Tape helps control radon and methane gas infiltration at the vapor barrier seams.

5.0 Installation

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

5.2 Unroll vapor barrier with the longest dimension parallel with the direction of the pour and pull out the folds to the width of the vapor barrier.

5.3 Lap vapor barrier over the footings and seal to the vertical foundation walls with White Polyethylene Tape, Viper® VaporTape or Viper® Double Bond Tape. Seal around pipes, support columns or any other penetration with Viper® VaporPatch or at minimum a combination of vapor barrier material and White Polyethylene Tape or Viper® Double Bond Tape creating a monolithic membrane between the surface of the slab and moisture sources below and at the slab perimeter.

5.4 Holes or openings through vapor barrier should be effectively sealed with White Polyethylene Tape, Viper® VaporPatch or mastic to maintain the integrity of the vapor barrier. Overlap joints a minimum of six inches. Seal overlap together with White Polyethylene Tape 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 guide line printed between each pipe diameter grid.
2. Cut an "X" through Viper® VaporPatch to fit the diameter of the pipe. The pipe grid ranges from 1" to 8".
3. Slide Viper® VaporPatch tightly over pipe penetration.
4. Peel off the backing, exposing the all weather adhesive, and firmly apply to vapor barrier material and pipe.
5. Seal off any exposed area with Viper® VaporTape.

5.6 When installing White Polyethylene Tape, Viper® VaporPatch and Viper® Double Bond Tape make sure the area of adhesion is free from dust, dirt and moisture to allow maximum adhesion of the tape.

These are very general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed as well. Detailed installation instructions can be obtained through manufacturer (ASTM E 1643 also provides valuable installation information).

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 sales office at 866-698-6562.

7.0 Warranty

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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 is available from the manufacturer.