



VIPER[®]

VAPOR TAPE

WHITE POLYETHYLENE SEAM TAPE

VERSION 20.0

VAPOR RETARDERS

DIVISION
033000, 072600

PRODUCT NAME

Viper• Vapor Tape White Polyethylene Seam Tape

MANUFACTURER

ISI BUILDING PRODUCTS

401 Truck Haven Road
East Peoria, IL 61611
866.698.6562 / www.isibp.com

PRODUCT DESCRIPTION

BASIC USE

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

COMPOSITION & MATERIALS

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

SIZE

Standard Sizes: 2" x 180', 3" x 180', 4" x 180'

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
- Four inch wide rolls for more area of adhesion

TECHNICAL DATA

APPLICABLE STANDARDS

American Society for Testing & Materials (ASTM)

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 Selection, Design, Installation, and Inspection 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

ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials

PSTC 101 International Standard for Peel Adhesion of Pressure Sensitive Tape

ENVIRONMENTAL CONSIDERATIONS

When sealing vapor barrier overlaps, Viper Vapor Tape can aid in controlling soil gas and poisons such as methane and radon.

INSTALLATION

SUB-GRADE PREPARATION

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

VAPOR BARRIER PLACEMENT

Unroll Viper Vapor Barrier with the longest dimension parallel with the direction of the pour. Unfold to full width.

Lap vapor barrier over the footings and seal to the vertical foundation walls with either Viper Vapor Tape, Viper Double Bond Tape, Viper VaporPatch or VaporCheck Mastic.

SURFACE PREPARATION

When installing Viper Vapor Tape, Viper Double Bond Tape, Viper Vapor Tape or VaporCheck Mastic, make sure the area of adhesion is free from dust, dirt and moisture to allow maximum adhesion.

SEAMS AND PENETRATIONS

Seal around pipes, support columns or any other penetration with Viper VaporPatch, VaporCheck Mastic or at minimum a combination of the Viper Vapor Barrier and Viper Vapor Tape. Doing so creates a monolithic membrane isolating the surface of the slab from moisture sources below.

Holes or openings through Viper Vapor Barrier should be effectively sealed with Viper Vapor 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 Viper Vapor Tape and/or Viper Double Bond Tape.

VIPER VAPORPATCH INSTALLATION

1. Viper VaporPatch is available in 12" x 50' rolls. Cut patch to desired length using "dashed" guideline (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 Viper Vapor Tape.

These are general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

WARRANTY

Warranty information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

MAINTENANCE

Requires no maintenance once installed.

TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling the manufacturer at 866.698.6562.

FILING SYSTEMS

Additional information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

PROPERTIES TEST PROCEDURE (INDEPENDENT TEST FACILITY)	TEST METHOD APPLICABLE STANDARDS	RESULTS IP UNITS
ROLL SIZES	N/A	2" x 180'; 3" x 180'; 4" x 180'
TOTAL THICKNESS (NOT INCLUDING LINER)	N/A	7.5-mil
ADHESIVE THICKNESS (RUBBER)	N/A	3.0-mil
PEEL ADHESION: INITIAL TO S.S. (20 MIN @ RT)	PSTC 101 MOD.	60 oz/in
BACKING ADHESION: INITIAL TO BACKING (20 MIN @ RT)	PSTC 101 MOD.	35 oz/in
TENSILE STRENGTH	ASTM D 1000	24 lbs/in
ELONGATION	ASTM D 1000	70%
WATER VAPOR PERMEANCE	ASTM E 96	<0.001 perms
OPERATING TEMPERATURE RANGE	N/A	32° F to 160° F

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

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AN AFFILIATE OF MEYER ENTERPRISES, LLC
401 TRUCK HAVEN ROAD, EAST PEORIA, IL 61611
PHONE: 309.698.0062 / FAX: 309.698.0065