



DOUBLE BOND SEAM TAPE

SPECIFICATION INFORMATION VAPOR RETARDERS DIVISIONS: 033000, 072600

Revised: 02-26-10

1.0 PRODUCT NAME

VIPER® DOUBLE BOND TAPE
35-mil Double Sided Tape

2.0 MANUFACTURER



Insulation Solutions Inc.
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Technical Assistance
Toll Free: 866-698-6562
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3.0 PRODUCT DESCRIPTION

3.1 Basic Use:

VIPER® DOUBLE BOND TAPE is a 35-mil, non-reinforced, double sided, rubber asphalt based adhesive tape.

VIPER® DOUBLE BOND TAPE is designed for sealing applications requiring an adhesive surface on both sides. **VIPER® DOUBLE BOND TAPE** can be used as a self-sealing gasket, replacing messy caulks. It is ideal for sealing vapor barrier seams and adhering vapor barriers to vertical foundation walls and piers.

VIPER® DOUBLE BOND TAPE

adheres aggressively to most smooth surfaces, including plywood. It self seals around nails and provides a dependable waterproofing barrier over a wide range of weather conditions.

3.2 Composition & Materials:

VIPER® DOUBLE BOND TAPE is composed of a black rubberized asphalt compound with release paper on one side and release film on the other. **VIPER® DOUBLE BOND TAPE** is a minimum of 35-mils thick.

3.3 Product Dimensions & Weight:

VIPER® DOUBLE BOND TAPE is available in 2", 3", 4", 6", 12", 18" & 36" wide rolls all by 50' in length.

Rolls per case (lbs per roll):

2" X 50' = 18 per case (2 lbs / roll)
3" x 50' = 12 per case (3 lbs / roll)
4" x 50' = 9 per case (4 lbs / roll)
6" x 50' = 6 per case (6 lbs / roll)
12" x 50' = 3 per case (12 lbs / roll)
18" x 50' = 2 per case (18 lbs / roll)
36" x 50' = 1 per case (36 lbs / roll)

Note: **VIPER® DOUBLE BOND TAPE** configurations listed above come 30 cases per pallet. Each case of **VIPER® DOUBLE BOND TAPE** weighs approximately 36 pounds.

4.0 TECHNICAL DATA

4.1 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 96** Standard Test Methods for Water Vapor Transmission of Materials
- ASTM D 5147** Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material
- ASTM D 903** Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D 1970** Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM E 1643** Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs



PROPERTIES	TEST METHOD	VIPER® DOUBLE BOND TAPE	
Test Procedure - Independent Test Facility	Applicable Standards	IP Units	SI Units
Roll Width (IP = inches, SI = mm)		2", 3", 4", 6", 12", 18", 36"	50, 76, 101, 152, 304, 457, 914
Roll Length		50 feet	15.24 meters
Thickness	ASTM D 5147	35-mil	0.89 mm
Adhesion to Plywood	ASTM D 903	70 lbf/ft @ 75° F	
Adhesion to Plywood	ASTM D 903	18.5 lbf/ft @ 40° F	
Pliability @ -20° F	ASTM D 1970	No effect	No effect
Water Vapor Permeance	ASTM E 96	<0.03 perms (U.S.)	<0.020 perms (Metric)
Minimum Application Temperature		50° F	10° C
Maximum Application Temperature		100° F	38° C

Note: When applying to concrete in temperatures below recommendations, heat surface prior to application for maximum adhesion.

4.2 Environmental Considerations:

When sealing vapor barrier overlaps, **VIPER® DOUBLE BOND TAPE** helps control soil gas and poisons such as methane, radon, sulfates and petroleum contaminated soil.

VIPER® DOUBLE BOND TAPE must be protected from harmful UV light by the use of a protective covering. Use **VIPER® DOUBLE BOND TAPE** only in situations where it will be protected from direct exposure to sunlight or other UV sources.

5.0 INSTALLATION

5.1 Surface Preparation:

The surface to which **VIPER® DOUBLE BOND TAPE** is to be adhered to should be clean, dry, smooth and free of contaminants. Use a wire brush and primer as necessary to ensure such a surface.

Apply **VIPER® DOUBLE BOND TAPE** at ambient temperature above 50° F (10° C). At lower temperatures apply in correlation with a high grade construction spray adhesive. When applying to concrete or masonry in temperatures below recommendations, heat surface prior to application for maximum adhesion.



5.2 Application to Substrate:

VIPER® DOUBLE BOND TAPE is designed to have the release paper removed as you are applying it to the surface. Do not remove release film prior to adhering to substrate. This prevents dirt, dust, debris and other foreign objects from interfering with adhesive.

Carefully align roll to surface of adhesion. Peel back 12 inches of release paper and firmly apply to substrate. Carefully unroll **VIPER® DOUBLE BOND TAPE**, removing release paper as recommended.

5.2 Application to Tape:

The release film should not be removed until the moment you are ready to adhere to **VIPER® DOUBLE BOND TAPE**. Never leave **VIPER® DOUBLE BOND TAPE** uncovered once the release film has been removed. This prevents dirt, dust, debris and other foreign objects from interfering with adhesive. Do not leave **VIPER® DOUBLE BOND TAPE** uncovered for more than 8 hours.

When mechanical fasteners are required for permanent holds, such as termination bars, it is suitable to fasten through the **VIPER® DOUBLE BOND TAPE**. The **VIPER® DOUBLE BOND TAPE** will self seal around the fasteners creating a gasket between the substrate and material being fastened.

5.3 Special Instructions:

If **VIPER® DOUBLE BOND TAPE** is to be left exposed for an extended period of time, be sure to cover with UV resistant material as **VIPER® DOUBLE BOND TAPE** is not designed for prolonged exposure to direct sunlight.

Store **VIPER® DOUBLE BOND TAPE** in the carton and remove only as needed.

Store carton of **VIPER® DOUBLE BOND TAPE** on end in a dry place at temperatures not exceeding 100° F (38° C).

If additional adhesion is required, use construction spray adhesive.

CAUTION:

The adhesive in **VIPER® DOUBLE BOND TAPE** is incompatible with EPDM (Ethylene Propylene Diene Monomer) rubber. Never apply **VIPER® DOUBLE BOND TAPE** to such a surface.

6.0 AVAILABILITY & COST

VIPER® DOUBLE BOND TAPE is sold through construction supply houses across the United States and Canada.

VIPER® DOUBLE BOND 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

VIPER® DOUBLE BOND 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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