



DOUBLE BOND TAPE

SPECIFICATION INFORMATION VAPOR RETARDERS DIVISIONS: 033000, 072600

Date: 11-19-14

1.0 PRODUCT NAME

VIPER® DOUBLE BOND TAPE
High Tack Double Sided Acrylic Tape

2.0 MANUFACTURER



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

Technical Assistance
Toll Free: 866-698-6562
Fax: 309-698-0065

www.insulationsolutions.com

3.0 PRODUCT DESCRIPTION

3.1 Basic Use:

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 rough or porous surfaces.

3.2 Composition & Materials:

VIPER® DOUBLE BOND TAPE is a double coated UPVC tape incorporating an exceptionally high tack, high peel, acrylic adhesive system. **VIPER® DOUBLE BOND TAPE** has a high adhesive mass that creates excellent gap filling and water resistant properties.

3.3 Product Dimensions & Weight:

VIPER® DOUBLE BOND TAPE is available 2 inches (50.8 mm) wide by 180 feet (54.8 m) in length. **VIPER® DOUBLE BOND TAPE** is packaged 24 rolls per case with each case weighing approximately 51 lbs (23 kg).

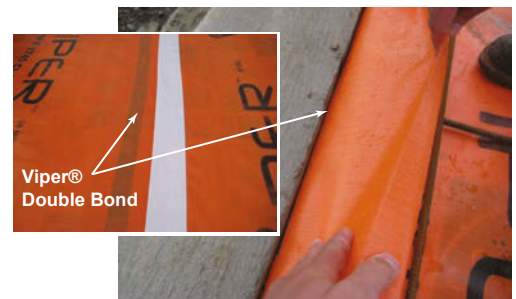
3.4 Features:

- Exceptional high tack & peel adhesion
- UPVC films allows for conformability
- High adhesive mass provides for excellent gap filling properties
- Excellent resistance to environmental extremes
- Exhibits excellent adhesion to ether & ester foams
- Bonds well to rough or porous surfaces
- Excellent water resistance

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 D 3330** Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
- **ASTM D 3654** Standard Test Methods for Shear Adhesion of Pressure-Sensitive Tapes
- **ASTM D 882** Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- **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
<i>Test Procedure - Independent Test Facility</i>	<i>Applicable Standards</i>	<i>Results</i>
Roll Size		2 in (50.8 mm) x 180 ft (54.8 m)
Thickness		8.5-mil (216 μ)
Color		Clear
Adhesive		Acrylic
Peel Adhesion	ASTM D 3330 (PSTC 101)	136 oz/in
Elongation	ASTM D 882	60%
Holding Power [2.2 psi (1" x 1" x 1000g) @ RT]	ASTM D 3654 (PSTC 107)	>600 min.
Recommended Application Temperature		Above 41°F (5°C)
Operating Temperature Range		-20°F to 200°F (-29°C to 93°C)

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 41° F (5° 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.



5.3 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.

5.4 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.

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.

INSULATION SOLUTIONS, INC. [MOISTURE CONTROL DIVISION]

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