



STYRO TAPE

MEMBRANE TAPES FOR SEALING JOINTS OF RIGID BOARD INSULATION

DESCRIPTION:

POLYGUARD STYRO TAPE, 20 mils total thickness, comprises a rubberized asphalt waterproofing element laminated to a tough, 6-mil white polyethylene scrim film. It is wound on 5" cores using disposable release sheet for ease of application.

USES:

POLYGUARD STYRO TAPE is used to seal joints of rigid board insulation STYROFOAM™ DECKMATE™ (extruded polystyrene). Greatly reduces water entry into the building prior to installation of metal roof panels.

ADVANTAGES:

POLYGUARD STYRO JOINT TAPE provides many advantages over other joint sealing systems.

1. **ELIMINATES** the use of 30# felt over entire insulation surface.
2. **FULLY ADHERED** - Self-adhesive reinforced membrane installs easily to rigid insulation.
3. **CLEAN, UNIFORM APPLICATION** - **STYRO TAPES** eliminate the use of messy mastics and sealants on insulation joints.
4. **SELFSEALING** - The rubberized asphalt waterproofing element seals around each and every screw hole.
5. **FAST APPLICATION** - Easy to handle rolls, are applied fast and efficiently by one person.

GUIDE SPECIFICATIONS:

Handling Materials: **POLYGUARD STYRO TAPE SYSTEMS** components shall be unloaded and stored in such a manner that prevents injury to the materials. All containers shall be protected from weather and can lids securely fastened. No packages should be dropped or thrown from trucks or handled with hooks. In cold weather, materials can be stored in heated buildings until date of use. Store products away from possible ignition sources.

Surface Preparation: The substrate should be dry, free of dust, dirt and foreign matter.

Joint Tape Application: **POLYGUARD STYRO TAPE** is installed on all rigid insulation joints. **STYRO TAPE** end laps must be overlapped a minimum of 2". Peel back a few inches of the release sheet to expose sticky side of tape. Align tape with insulation joint and press in place. Move along joint and apply tension to the membrane by pressing firmly with hands or roller. Staples, nails and screws may be applied through tape.

LIMITATIONS:

LIQUID ADHESIVE may not be compatible with certain insulation panels. Contact **POLYGUARD** for specific application instructions, or field test.

JOINT TAPES has been tested and approved for up to 6 month's of UV exposure, however we do recommend an inspection after 90 day exposure period. Discoloration of white backing may occur. Adhesion and sealing properties will not be affected during this time period.

TECHNICAL DATA: <i>STYRO TAPES</i>		
PROPERTIES	TYPICAL RESULTS	TEST METHOD
Total Thickness	20 mils	
Tensile Strength (Diagonal)	>20 lbs./in. width	ASTM D 751
Pliability - 180° bend over 1" Mandrel	No Effect	ASTM D-146
Elongation-Ultimate Failure of Rubberized Asphalt	600%	ASTM D-412 (<i>Modified Die C</i>)
Water Vapor Transmission (<i>Grains/Sq.Ft./Hr.in HG</i>)	<0.1	ASTM E-96 (<i>Method B</i>)
Water Absorption - %	0.25	ASTM D-1228
Trapezoidal Tear	>40 LBS.	ASTM D-4533
Application Temperature Range	30°F - 125°F	

PACKAGING: <i>POLYGUARD STYRO TAPE</i>			
ROLL SIZE	ROLLS/CTN	WT/CTN	CTN/PALLET
5" X 120'	7	53	25
12" X 120'	3	55	25
18" X 120'	2	55	25
36" X 75'	1	35	25

PRECAUTIONS:

The material is offered for sale by **POLYGUARD PRODUCTS, INC.** only for the expressed purposes as described in this literature. Any use of the products described in this literature for purposes other than taught therein by **POLYGUARD PRODUCTS, INC.** shall be the responsibility of the purchaser and **POLYGUARD PRODUCTS, INC.** does not warrant nor will be responsible for any misuse of these products. **POLYGUARD PRODUCTS, INC.** will replace **F.O.B.** Ennis, Texas, material not meeting our manufacturer's specifications one year from date of sale. **POLYGUARD** products as described herein are for industrial use only. The application procedures should be performed by workmen who are skilled in the application of materials described herein in accordance with manufacturers specifications.

MATERIAL SAFETY DATA SHEETS:

All Material Safety Data Sheets and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Consult **POLYGUARD PRODUCTS, INC.** Material Safety Data Sheets and OSHA regulations for additional safety and health information for the products described herein. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product including waste disposal.

This is not a Material Safety Data Sheet and is not to be used as such. **POLYGUARD** has prepared separate Material Safety Data Sheets on each product.

TECHNICAL SERVICE AND AVAILABILITY:

Technical assistance, information and **POLYGUARD** products are available through a nationwide network of distributors and architectural representatives or contact **POLYGUARD PRODUCTS, INC.**