

# POLYGUARD JT-30 EXTERIOR SHEATHING JOINT TAPE

## MEMBRANE TAPES FOR AIR AND MOISTURE PROTECTION ON JOINTS OF EXTERIOR WALL

### DESCRIPTION:

**POLYGUARD JT-30 TAPE**, 30 mils total thickness, comprises a rubberized asphalt waterproofing element laminated to a tough, 4 mil polyethylene film. It is wound on 1-½" cores using disposable release sheet for ease of application.

**POLYGUARD 650 LT LIQUID ADHESIVE** is a rubber based primer in solvent solution. A fast drying high tack primer, **650 LT LIQUID ADHESIVE** is used to prepare surfaces in all **JT-30** applications.

### USES:

**POLYGUARD JOINT TAPE** is used for protection against air and moisture vapor from leakage and vapor diffusion in exterior joints, holes, corners and protrusions of gypsum, wood, insulation board sheathing or exterior sheathing. Applied around doors and windows, on holes or other small voids, **JOINT TAPE** stops outside air and moisture from entering the conditioned interior of the building, increasing energy efficiency and inhibiting corrosion of steel components.

**JT-30** provides excellent seam tape and corner detailing to most cavity wall applications. Spray applied surface coatings over JT-30 should be verified by Polyguard in writing for compatibility prior to application.

Unwanted exterior air can carry moisture, odor and corrosive elements to metal studs and screws/brick ties. For full wall system protection, **POLYGUARD 300 AIR AND MOISTURE BARRIER MEMBRANE SYSTEM** provides maximum performance and lowest possible perm ratings needed to stop vapor laden air from entering a controlled interior environment. Refer to **POLYGUARD AIR AND MOISTURE BARRIER MEMBRANE** literature for uses/applications and contact **POLYGUARD** for advantages, precautions and limitations of using such a high performance vapor barrier.

### ADVANTAGES:

**POLYGUARD JOINT TAPE** provides many advantages over other sheathing board void and joint sealing systems.

- 1) **FULLY ADHERED** - Self-adhesive membrane installs easily to prepared sheathing material with liquid adhesive at temperatures down to 25°F.
- 2) **CLEAN, UNIFORM APPLICATION** - **JOINT TAPES** eliminate the use of messy mastics and sealants on sheathing joints. Factory manufactured quality means amounts specified are applied to walls, unlike mastics and sealants where thicknesses are controlled by field mechanics.
- 3) **SELF SEALING** - The rubberized asphalt waterproofing element seals around each and every screw hole.
- 4) **FAST APPLICATION** - Easy to handle rolls are applied fast and efficiently by one person. No curing time is required prior to application of exterior wall components to help fast track projects keep their pace.
- 5) **COST SAVINGS** - Installed **POLYGUARD JOINT TAPES** cost less than typical mastic and mesh joint treatment. Succeeding trades can work immediately after joint tape application without waiting.

### GUIDE SPECIFICATIONS:

**Handling Materials:** **POLYGUARD JOINT 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.



This Information is based on our best knowledge, but  
POLYGUARD cannot guarantee the results to be obtained

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As of 8/1/2001 Polyguard Products' quality system has been certified to the following quality system requirements:  
• ANSI/ASQC  
• DUTCH COUNCIL FOR CERTIFICATION  
• STANDARDS COUNCIL OF CANADA

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

**Priming:** *POLYGUARD LIQUID ADHESIVES* are required in all *POLYGUARD JT-30* applications down to 25°F. A field test may be made prior to application, to determine if any adverse chemical effects occur on insulation / board panels before proceeding.

*650 LT LIQUID ADHESIVE* is used on gypsum sheathing, wood, faced or unfaced isocyanurate insulation at temperatures down to 25°F. On some very porous materials, two coats of *LIQUID ADHESIVE* may be required. For requirements of application to polystyrene panels, contact **POLYGUARD PRODUCTS, INC.** Applied at an average rate of 250-400 S.F. per gallon by brush or roller, excellent adhesion of joint tape system to substrate will result. *LIQUID ADHESIVE* will remain tacky. After 30-60 minutes drying, *JT-30 MEMBRANE* may be applied. Secure can lids firmly between use.

**Joint Tape Application:** *POLYGUARD 4" JOINT TAPE* is installed on horizontal sheathing joints and vertical sheathing joints. *JOINT TAPE* overlaps must extend a minimum of 2" on each side. Adhesion test of the overlap bond at temperatures below 40°F should be field tested prior to application. A possible adhesion enhancement would be to apply *650 LT LIQUID ADHESIVE* to the laps. *POLYGUARD 6" JOINT TAPES* are used for inside/outside corners, window and door flange flashing, and voids.

Peel back a few inches of the release sheet to expose sticky side of tape. Align tape with board 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:**

*JT-30 JOINT TAPES* should not be applied under solvent sprayed surface coatings.

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

*JOINT TAPES* are vapor barriers. Sealing walls against air and moisture may change insulation, location, type and design of HVAC System.

*JOINT TAPES* should be covered within 30 days of installation. Cross reference material use with both manufacturers of insulation and HVAC System.

#### **PRECAUTIONS:**

*650 LT LIQUID ADHESIVE* are industrial coatings and would be harmful or fatal if swallowed. Marked as a red label flash point product, prohibit flames, sparks, welding and smoking during application. Refer to product label and Material Safety Data Sheets for handling, use and storage precautions.

Solvents could be irritating to the eyes. In case of contact with eyes, flush with water and contact physician.

Avoid prolonged contact with skin and breathing of vapor or spray mist from *LIQUID ADHESIVE*. If in confined areas, use adequate forced ventilation, fresh air masks, explosion proof equipment, and clean clothing.

Close container after each use.

**Keep out of reach of children.**

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 SERVICES:**

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

**TECHNICAL DATA:**

<b>PHYSICAL PROPERTIES:</b>	<b>POLYGUARD JT-30</b>
Total Thickness ( <i>Mils</i> )	30 Mils.
Puncture Resistance - Film ( <i>ASTM-D-781</i> ) Kg/CM	110
Puncture Resistance of Composite Membrane ( <i>ASTM E-154</i> ) LBS	40 Min.
Tensile Strength of Composite Membrane ( <i>ASTM-D-412 Modified Die C</i> )	750 PSI Min.
Elongation - Ultimate failure of Rubberized Asphalt ( <i>ASTM-D-412 Modified Die C</i> )	400% Min.
Water Vapor Transmission- ( <i>Permeance</i> ) ( <i>ASTM-E-96 Method B</i> ) ( <i>Grains/Sq.Ft./Hr. in HG</i> )	0.1 Max.

**PACKAGING: POLYGUARD JT-30 JOINT TAPES**

<b>ROLL SIZE</b>	<b>SF/ CTN</b>	<b>ROLLS/ CTN</b>	<b>WT/ CTN</b>	<b>CTN/ PALLET</b>	<b>PALLETS/ T/L</b>
4" x 100'	200	6	44 LBS	48	16
6" x 100'	200	4	44 LBS	48	15

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