



## STEELSEAL™

### SELF-ADHESIVE METAL ROOF REPAIR PAINTABLE AND COATABLE COMPOSITE WATERPROOFING MEMBRANE

#### DESCRIPTION:

**POLYGUARD STEELSEAL** is a composite membrane of heavy duty stitch-bonded polyester fabric and rubberized asphalt, 40 mils in thickness. This elastomeric, self adhesive membrane, is wound on cores with a disposable silicone coated release sheet.

#### USES:

**STEELSEAL** is an excellent choice for metal roof repair, including over joints, seams, and over fastener heads where a UV resistant coating will be applied.

#### ADVANTAGES:

Can be installed over most clean, smooth, and dry surfaces.

High bond strength - over 10 lbs. per inch.

Remains elastomeric at sub-zero temperatures.

**ISO 9001 QUALITY: Polyguard** is the first manufacturer in any of its markets to receive this international certification for quality systems used in both manufacturing and new product development.

#### TECHNICAL DATA - **STEELSEAL**™:

PROPERTY	TYPICAL MEASUREMENT	TEST METHOD
Total Thickness	40 mils (1.0 mm)	-----
Elongation-Ultimate Failure of rubberized asphalt	1200 %	ASTM D 412 (Modified Die C)
Peel Adhesion	>10 lbs./in. width	ASTM D1000
Low temperature elasticity	Does not crack when bent over a mandrel at -15°F	ASTM D 146 (Modified)

#### PACKAGING DATA:

ROLL SIZE	ROLLS / CARTON	LBS / CARTON
4" x 75'	9	65#
6" x 75'	6	65#
12" x 75'	3	65#
36" x 75'	1	65#

#### APPLICATION:

**Handling Materials:** **Polyguard** membranes should be handled and stored so as to prevent injury to packages. Materials should be stored in a cool, dry place, kept from contact with earth and protected from weather. Materials should be stored in heated buildings during cold weather.

**Surface Preparation:** The surface shall be clean, dry, and dust free. Use a steel brush and primer as necessary to obtain desired surface conditions.

**Application:** Cut roll to desired length. Start at the low point of application and peel back the silicone coated release sheet 6 to 12 inches immediately before application. Press the exposed adhesive surface into place. Continue to peel back and adhere, smoothing the membrane into place as you go. Overlap material 6" at end laps, and 3" at side laps.

**Cool Weather:** When applied in cool temperature conditions, the adhesive surface of **STEELSEAL™** may lose a portion of its adhesiveness. The following measures will improve adhesion in cool installation conditions:

1. Keep rolls of membrane in a warm storage area prior to using.
2. Use of a hot air gun briefly on the face of the adhesive just prior to application will assist adhesion.
3. On exterior surfaces, **Polyguard 650 LT Liquid Adhesive** may be used.

### **LIMITATIONS:**

This material is not compatible with EPDM rubber.

This material should be coated as soon as possible after installation, as it can wick water if left exposed. If exposed to water, it should be allowed to dry completely before coating is applied. Because of its limited UV resistance, it should not be left exposed for more than 30 days at most.

### **PRECAUTIONS:**

This material is offered for sale by **POLYGUARD PRODUCTS, INC.**, only for the expressed purpose as described above. Usage for purposes other than taught 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, TX., material not meeting our manufacturer's specifications, one year from date of sale.

### **MATERIAL SAFETY DATA:**

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.** if any questions exist. Consult 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/INFORMATION:**

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