

POLYGUARD *DECK GUARD* SPECIFICATIONS

PART 1 - GENERAL

DESCRIPTION:

The work in this section includes requirements for membrane under shingles, tile, or standing seam metal. The extent of the **POLYGUARD *DECK GUARD*** underlayment is indicated on tech drawings.

SUBMITTALS:

- ! Submit one square foot sample of **DECK GUARD** for approval.
- ! Submit copies of manufacturer's product description, product usage, and product application for all materials proposed for use on the project.

DELIVERY AND HANDLING:

Materials should be delivered in a manufacturer's original, unopened packaging with labels attached. All materials must be handled in a manner to prevent damage. Any material damaged must be removed from the project area and replaced with new material. Polyguard products must be handled in accordance with **POLYGUARD PRODUCTS, INC.** guidelines. Material Safety Data Sheets must be reviewed for guidance on flammability and other dangers of any liquid adhesives to be used; instructions for safety should be fully followed.

JOB CONDITIONS:

Polyguard waterproofing materials should only be applied under proper weather conditions. **DECK GUARD** should be applied at temperatures of 40°F and above. For application below 40°F down to 25°F, use **POLYGUARD LIQUID ADHESIVE**. Under no circumstances should application take place below 25°F. Surfaces to receive the Polyguard Waterproofing System materials must be smooth, dry, and free of dust, dirt, or other foreign materials. **LIQUID ADHESIVE** is necessary in all instances where dust is present.

PART 2 - PRODUCTS

MATERIALS:

POLYGUARD *DECK GUARD* is self-adhering membrane consisting of 36 mils of rubberized asphalt laminated to 4 mils of polyethylene to form a 40 mil membrane. **DECK GUARD** is supplied in 3 feet wide by 75 feet long rolls. The membrane is delivered on a silicone release sheet that serves as a separator. The release sheet is removed prior to application of the membrane. **DECK GUARD** is completely cold-applied and requires no special adhesives or heating equipment.

INSTALLATION:

IF PRIMING IS REQUIRED:

Never apply **LIQUID ADHESIVES** to wet or frozen surfaces. **On standing seam metal roofs the POLYGUARD *DECK GUARD* will be applied on insulation board.** If temperature is under 55° F. and over 32° F. **POLYGUARD WATER BASE GOLD LIQUID ADHESIVE** may be used to promote adhesion as needed. The membrane should be kept warm until needed if cold temperatures exist. If temperature is greater than 55° F, liquid adhesive is optional. When substrate is ready, apply **LIQUID ADHESIVE** at a rate of 200 - 300 square feet per gallon using short nap roller, brush, squeegee, or spray apparatus. Allow liquid adhesive to dry for one hour or until tack-free. Prime only the area which can be covered with membrane in the same working day. Areas primed and not covered with membrane within 24 hours should be reprimed. Smoothness and porosity of the concrete will effect coverage rate. Do not apply liquid adhesive at heavier rates than recommended. Excessive material build-up will delay drying and membrane application.

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



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As of 9/1/2003, Polyguard Products' quality system has been certified to American, Dutch, and German quality systems requirements:
- American Natl. Standards Institute
- Dutch Council for Certification
- Deutscher Akkreditierungs Rat

MEMBRANE INSTALLATION:

POLYGUARD DECK GUARD should be applied with a 6" minimum end and a 3" side overlap. Cut the **DECK GUARD** into 10-15 foot lengths and reroll. Starting at the base or lower edge of the roof, apply the membrane with the long edge parallel to the edge of the roof. Unroll the membrane by pulling the release sheet from under the membrane. Roll the surface with a small hand type roller or hand pressure during application to eliminate minor wrinkles and air pockets. Most local buildings codes and the *National Roofing Contractors Association* recommend membrane application from roof edge to 24" within the interior wall line of the building. Since snow loads vary by area, local conditions should be considered during specification. Apply membrane to ridges or valleys, slit to proper width and with approximately half of the membrane width applied on either side of the ridge or valley. Cut the membrane into approximately 6' lengths for placing on irregular contoured surfaces for ease of application. Install roofing valleys from the low point to the high point shingling the membrane. Overlap all ridge and valley membrane by 6". In mountainous areas with considerable snow, it may be necessary to apply membrane on the entire roof area. The consideration as to whether this is done will depend upon how far melted water under the shingles would reach a given climatic location with a given roof pitch.

LIMITATIONS:

When applying standing seam metal roof directly on top of **POLYGUARD DECK GUARD** a slip sheet of rosin paper or roofing felt must be applied to keep metal from direct contact to the **POLYGUARD DECK GUARD**. Apply roofing material promptly over the **DECK GUARD**. The material is not UV stable if left exposed for over 30 days. Avoid folding the membrane over the roof edge unless protected by flashing, gutters, or drip caps. If drip caps are used, **DO NOT** install membrane on top of drip cap. Membrane can be folded over roof edge underneath drip cap. **DECK GUARD** is a vapor barrier. Adequate ventilation must be provided to prevent condensation of moisture on roof deck after an application, especially for full roof membrane coverage. No other use of these materials is to be made without prior approval of **POLYGUARD PRODUCTS, INC.** as to service and method of application.

DECK GUARD will meet the following physical properties:

Property / Unit	Test Method	Value
Film Color		Black
Textured Film Thickness (<i>nominal</i>)		5.5 mils
Total Membrane Thickness		40 mils
Softening Point	ASTM D-36	>220° F
Elongation - Ultimate Failure of Rubberized Asphalt	ASTM D 412 - Die C (<i>Modified</i>)	250% (<i>minimum</i>)
Tensile Strength	ASTM D 412 Die C (<i>Modified</i>)	250 psi (<i>minimum</i>)
Pliability °F - (<i>180° Bend over 1" mandrel</i>)	ASTM D 146	0°F
Adhesion to plywood lb. per inch/width	See below (*)	3.0 min.

* 3" by 7" membrane is applied to plywood substrate and rolled firmly against the plywood. After 24 hours at room temperature the sample is peeled from the substrate at 180° at the rate of 2" per minute.

PRECAUTIONS:

POLYGUARD DECK GUARD IS SLIPPERY. WORKMEN SHOULD USE SHOES WITH SUFFICIENT SOLE FRICTION TO AVOID SLIDING OR SLIPPING ON THE MEMBRANE. AVOID WALKING ON THIS MATERIAL WHEN WET.