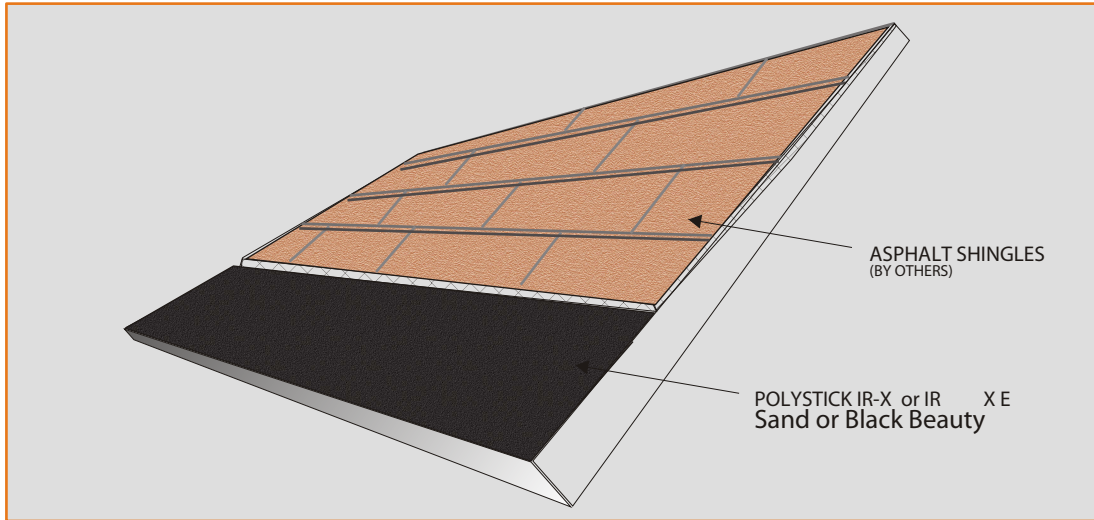


**100 SERIES SPECIFICATIONS**  
**POLYSTICK IR-X or IRX E**  
**Self-adhering Underlayment**

*Adds value!*



**PART 1 - DESCRIPTION**

Provide all labor, materials, equipment, supervision and incidentals as needed to install a complete POLYGLASS® reinforced modified bituminous underlayment over a new or accepted, prepared existing roof substrate. All details of installation shall conform to POLYGLASS® Specifications, Details and General Recommendations.

**QUALITY ASSURANCE**

Products used in the work of this Section shall be manufactured by POLYGLASS® or accepted for use in conjunction with the products manufactured by POLYGLASS®.

The Roofing Contractor and his personnel shall be currently accepted by POLYGLASS® as qualified to install the materials of this section.

Do not apply roofing during inclement weather. Do not apply roofing membrane to damp, frozen, dirty or dusty surfaces.

**PART 2 - MATERIALS**

**UNDERLAYMENT - POLYSTICK IR-X or IRX E underlayment.**

Homogeneous, rubberized asphalt waterproofing compound, glass fiber reinforced, with a granular or sand surface for skid resistance. Rubberized asphalt seals around correctly installed nails, on the weathering surface. Split/perforated release backing film aids in easy positioning of sheets to maintain proper line. Material is packaged in a roll of 20 sq. Ft. (Finished roof coverage). Weight is 70 lbs.

TRADENAME: POLYSTICK IR-X - IRX E

**FINISHED ROOFING SURFACE - Asphaltic Fiberglass reinforced Shingles, by others.**

**ASPHALT PRIMER - Meeting ASTM D 41 specification, applied in strict conformance to manufacturers recommendations.**

**PRODUCT HANDLING**

All materials, except those that are shop fabricated shall be delivered to the job site with their original labels intact. Bulk materials, shall be identified by the manufacturer as to specification issued

All materials shall be stored in accordance with the instructions of the manufacturer prior to their application or installation. No wet or damaged materials will be used in the application. Materials stored on the job site shall be a minimum 4" off the ground of the roof.

Application of all roofing shall be accomplished in such a way that each area will be complete at the end of each day's work. All roof edges and incomplete flashing shall be protected against water entry, particularly between work periods.

When ambient temperature is below 40 DEG. F, care must be exercised in handling and storing POLYGLASS® membrane. Only rolls for immediate application shall be exposed to the elements.

All masonry, concrete and sheet metal surfaces incorporated into the roof system shall be primed with asphalt primer meeting ASTM D-41 specification and allowed to dry prior to installing bituminous roofing materials.

Wood curbs or nailers, where required, shall be pressure treated with accepted pressure treatment meeting AWAP Standard P-5.

**PART 3 - APPLICATION**

**PREPARATION**

The roof surface, which is to receive the POLYGLASS® POLYSTICK underlayment, shall be smooth, clean, free from loose gravel, dirt and debris, dry and structurally sound.

**FOR REROOFING APPLICATIONS**

Remove existing metal edging down to the surface of the roof. Remove existing flashings at roof details and roof penetrations.

Remove all wet or deteriorated roofing substrate materials or insulation and fill in any low spots occurring as a result of removal work, to create a smooth even surface for application of underlayments.

Existing roof surfaces shall be primed as necessary with asphalt primer meeting ASTM D-41 specification and allowed to dry prior to installing the POLYGLASS® POLYSTICK underlayment.

## INSTALLATION

Decks: Prime where required, in accordance with requirements and recommendations of the primer & deck manufacturer (if applicable).

Where a vapor retarder, slip or base sheet is required by the specifier: Follow the instructions with regard to the particular materials specified and install in accordance with the recommendations of the manufacturer and the requirements of the architect.

## MEMBRANE

Directly over the acceptable substrate / roofing surface install one ply of POLYSTICK IR-X or IRX E underlayment with minimum 3" side laps and 6" end laps, without wrinkles or fishmouths. Unless the substrate surface is flat, voids may occur which will be hard to seal and may not render a permanent, waterproof roof. It is the installer's responsibility to ensure that substrate conditions permit a wrinkle and void-free installation. Any voids occurring may have to be sealed with a heat gun or other suitable mastic.

Cut and unroll the POLYSTICK IR-X or IRX E underlayment to a suitable desired length (depending on conditions etc.). Position the material in the desired location on the substrate and proceed as follows; align the membrane at the lowest edge of the roof. Fold the material back onto itself (width wise) and remove the split back release paper from the exposed side, gradually push/roll the material into place (do not lift and drop the material into place, air pockets may occur that will be difficult to remove). Apply even pressure along the entire length of the membrane, from center to outer edges, to avoid air inclusions or wrinkles. Repeat for other side. Position the next sheet by overlapping seams to lineup the overlap of the top sheet edge

with the inside of the bottom sheet, (3" overlap). Overlap cut end laps minimum 6". Repeat the above procedure for all subsequent sheets. At seam overlaps, apply even pressure to seam area.

After adhering roll, it is recommended that uniform pressure be applied to the entire roll area by a weighted roller or water-filled lawn roller. Care must be taken during rolling on sloped roofs.