



#### 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 acceptable, 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 shall be a Polyglass Registered Contractor in good standing and their personnel sufficiently trained to install the materials/systems as outlined in this section of work.

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

#### PART 2 - MATERIALS

**Underlayment** - POLYGLASS® Polystick TU, A homogeneous rubberized asphalt waterproofing compound, glass fiber reinforced, with a scattered granular surface designed for use as tile underlayment. 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 approximately 200 sq. Ft. Weight is 70 lbs.

TRADENAME: POLYSTICK TU

**FINISHED ROOFING SURFACE** - Tile or other appropriate steep sloped roof systems, by others.

**ASPHALT PRIMER** - ASTM D 41 or other approved primer by Polyglass 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 and product name.

All materials shall be stored in accordance with the instructions of the manufacturer prior to their application or installation. No wet or damaged materials shall be used in the application. Materials stored on the job site shall be stored on an elevated platform and off the ground or roof surface.

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 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. Priming of wood may be recommended depending on project conditions.

#### 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.

## MEMBRANE

Directly over the acceptable substrate install one ply of POLYSTICK TU 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.

Unroll and cut the POLYSTICK TU underlayment to a suitable desired length (depending on slope and project conditions.) Position the material in the desired location on the substrate and proceed as follows; align the membrane at the lowest edge of the roof. Lift one half of the material to expose the underside and remove the split back release film, 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 aligning the side lap of the upper sheet with the factory overlap.

Overlap and cut end laps minimum 6" place thin uniform bed of approved mastic between overlapping membranes. Repeat the above procedure for all subsequent sheets. At seam overlaps, remove the protective seam tape and apply even pressure to seam area. Product is pressure and temperature sensitive. After adhering roll, it is recommended that uniform pressure be applied to the entire roll area by a weighted roller. Care must be taken during rolling on sloped roofs.

POLYGLASS® recommends tiles be stacked in accordance with tile and underlayment manufacturer recommendations. POLYGLASS® requires that tiles be stacked with batens on slopes of 7/12 and greater. POLYGLASS® will not accept liability concerning lost tiles. Contact POLYGLASS® Technical Services with any questions or concerns.