

# POLYANCHOR® HV

## HIGH VELOCITY WIND ANCHOR SHEET

### PRODUCT DESCRIPTION

PolyAnchor HV is a nailable anchor sheet specially designed for the temporary protection of steep-slope roofs in areas prone to high winds. PolyAnchor HV uses a strong bituminous bonding surface combined with a special tear resistant fiberglass mat to provide superior wind uplift resistance.

The top surface of PolyAnchor HV is formulated to provide an ideal bonding surface for Polystick polymer modified self-adhered underlayments. The bituminous compounds in the sheet enhances sealability around fasteners and moisture protection while the heavy-duty mat provides strength and tear resistance around fasteners and plates.

PolyAnchor HV is ideally suited for use with clay/concrete tile roof covering systems with Polystick TU Plus or TU Max as the final substrate for the roof covering. PolyAnchor HV is also suitable for use under asphalt shingles.

### TYPICAL APPLICATIONS

- Nailable anchor sheet over approved steep-slope wood decks for temporary waterproofing protection
- Base sheet for Polystick tile underlayments for concrete, clay, and slate tiles roof covering systems
- Water-resistant barrier on steep slope roofing under asphalt shingles and shakes

### FEATURES AND BENEFITS

- Special tear resistant fiberglass mat to provide superior wind uplift resistance.
- Top surface specially designed to provide highly bondable surface for Polystick underlayments
- Surface engineered for walkability on sloped roofs
- High tensile-tear strength mat provides increased fastener and plate tear through resistance
- Nail sealing modified asphalt compound

### TECHNICAL DESCRIPTION\*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Break Strength, min. at 77°F (25°C), kN/m	D226 Type II (D146)	7.0 - MD 3.5 - XMD	11 - MD 10 - XMD
Tear strength, min. at 23 ± 2°C, (73 ± 4°F), N	D4073	89 - MD 89 - XMD	1000 - MD 1000 - XMD
Dimensional stability, low humidity to high humidity, max elongation, %	F1087	1.65	0.5 - MD 0.5 - XMD
Pliability at 23 ± 2°C, (73 ± 4°F)	D228	Pass	Pass
Liquid water transmission test	D4869	Pass	Pass
Behavior (loss) on heating at 105°C (221°F) for 5 h, max, %	D228	4	0.1
Nail Sealability, Protocol 1	D7349	Pass	Pass

\*The properties in this table are "as manufactured" unless otherwise noted.



### PRODUCT DATA\*\*

Net Coverage (Approx) ... 185 ft² (17.2 m²)  
 Gross Coverage ..... 200 ft² (18.6 m²)  
 Weight (Approx) ..... 55 lbs (25 kg)  
 Thickness (Nominal) ..... 55 mils (1.4 mm)  
 Roll Size ..... 61' x 39 3/8" (18.6 m x 1 m)  
 Rolls/Pallet ..... 30

\*\*All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- Meets physical and performance requirements of ASTM D6757 and performance requirements of ASTM D226 and ASTM D4869, including resistance to liquid water transmission.
- Florida Building Code



### PRODUCT CODES

- PAHV

**POLYGLASS®**



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### APPLICATION INSTRUCTIONS

- Ensure roof deck or substrate is properly fastened. Is viable with no significant delamination, warpage, bowing or separation from the rafters, trusses or support structures.
- Ensure the surface to which the PolyAnchor HV is to be installed is clean, dry and debris-free.
- When re-roofing, remove all prior roofing materials down to a clean, dry, dust-free substrate. Remove and replace all damaged and/or non-viable flashing(s).
- When permitted by local building code, PolyAnchor HV may be used as recover anchor sheet over existing self-adhered underlayments. Use fastening patterns and rates as approved by the local building official having jurisdiction.
- PolyAnchor HV is not intended or should not be used as a primary waterproofing membrane. An approved Polystick underlayment for the applicable roof covering is required to be applied over PolyAnchor HV anchor sheet.
- Nails and caps should be driven properly and flush with the roof surface.
- In climates where applicable, always ensure that an approved ice-dam protection is applied over the area to cover the highest point of "ice damming" prior to the application of PolyAnchor HV.
- Polyglass recommends that applicator follows good roofing practices, application procedures as outlined in the NRCA, ARMA, other published practices, as well as roofing covering manufacturer's recommendations.
- PolyAnchor HV may present a slip and fall hazard. This risk is increased when wet or icy conditions exist. Adequate precautions should be taken when working. Polyglass recommends the use of OSHA approved fall protection.

### MEMBRANE INSTALLATION

- PolyAnchor HV is to be positioned parallel to the eave. The perimeter course of PolyAnchor HV should be cut to ensure offset head-laps from the cap sheet. A centerline on the surface of PolyAnchor HV is present to cut the sheet in half if desired.
- PolyAnchor HV must be mechanically attached to the deck using fasteners and fastening patterns as approved by the local building official having jurisdiction.
- Avoid walking on the PolyAnchor HV until sufficiently attached to the deck to safely walk on it.
- Succeeding courses of PolyAnchor HV should be lapped 2" to 4" at the head-lap and a minimum of 6" at end-laps, or as directed by the local building code.
- PolyAnchor HV at valleys shall be either woven, extending through the valley line, or center cut.
- The eave drip-edge, metal valley, and wall flashings shall be installed over the PolyAnchor HV.
- The installed metal flashings shall be nailed according to local code and primed with Polyglass PG 100 Asphalt Primer, VVB-3000 water based primer or alternative ASTM D41 primers as approved by Polyglass prior to cap sheet installation.
- Cover PolyAnchor HV with a Polystick self-adhered underlayment following Polyglass installation guidelines for the underlayment being utilized.

- For special or other project conditions, not provided for by the above, contact Polyglass Technical Services.

### MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

### CORPORATE HEADQUARTERS

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**Product Disclaimer:** Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

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