



# DUAL PRO<sup>®</sup>

## HIGH TEMPERATURE METAL & TILE UNDERLAYMENT

### PRODUCT DESCRIPTION

Dual Pro is a self-adhered waterproofing membrane. The advanced modified asphalt compounds are reinforced with a fiberglass mat. Dual Pro also has a high strength polyester fabric on the upper surface making it a high temperature underlayment ideally suited for metal roof and tile applications.

Dual Pro underlayments are manufactured with an aggressive self-adhesive bottom compound, using a patented Dual-Compound Technology, protected by an easily removed split-release film. Dual Pro also features SEAllap<sup>®</sup>, a patented factory applied adhesive treatment that provides improved product performance at the overlaps.

### TYPICAL APPLICATIONS

- Underlayment in metal roof and tile applications
- High temperature underlayment environments up to 250° F
- Designed as effective reinforcement for perimeter and flashing details

### FEATURES AND BENEFITS

- Proprietary asphalt compound and fiberglass mat for exceptional dimensional stability
- Non-wicking polyester reinforced surface engineered for superior slip resistance
- Approved exposure rating to 90 days (or as limited by local building codes)

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Maximum Load, Longitudinal and Transverse, min, kN/m (lbf/in.)	4.4 (25)
ASTM D5147	Elongation at break, min of modified bitumen portion (%)	10
ASTM D5147	Tear Resistance, Longitudinal and Transverse, min, N (lbf)	89 (20)
ASTM E96	Moisture Vapor Permeability, max, perms	0.1
ASTM D1970	Adhesion to Plywood @ 40F, min, lbf/ft width	2.0
ASTM D1970	Adhesion to Plywood @ 75F, min, lbf/ft width	12.0
ASTM D1970	Sealability around nail	pass
ASTM D1970	Waterproof integrity after low temp flexibility	pass
ASTM D1970	Waterproof integrity of lap seam	pass
ASTM D1970	Slip Resistance	pass



### PRODUCT DATA

Net Coverage (Approx)..... 200 ft<sup>2</sup> (18.5 m<sup>2</sup>)  
 Gross Coverage ..... 215 ft<sup>2</sup> (20 m<sup>2</sup>)  
 Weight (Approx) ..... 79 lbs (36 kg)  
 Thickness (Nominal) ..... 80 mils (2.0 mm)  
 Roll Size ..... 65'8" x 39 3/8" (20 m x 1 m)  
 Rolls/Pallet.....25

### APPLICABLE STANDARDS

- ASTM D1970, ASTM D5147
- Florida Building Code Approved





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### APPLICATION INSTRUCTIONS

- Hydraguard underlayments may be directly applied to certain wood decks as allowed by the AHJ (Authority Having Jurisdiction).
- Cut the Hydraguard self-adhered membrane to a suitable length based on the project and application conditions.
- Unroll the membrane and allow it to lay flat and relax prior to application. After the membrane has relaxed, align it with the lowest edge of the roof.
- Fold the aligned membrane in half to expose one side of the split release film.
- Peel the release film at a 90° angle, in a constant motion, while keeping the weight on the outer edges as you progress. Press the membrane into place with firm and uniform pressure from the center to the outer edges.
- Repeat previous step with the remaining half of the roll and release liner.
- Always ensure that the membrane is applied to cover the highest point of "ice damming".
- Be sure to follow all local building code recommendations and requirements with regards to the width of ice dam materials.
- All Hydraguard underlayments should be back-nailed in the selvage edge seam. Use 11 gauge ring shank type nails with minimum 7/8" head or 3/8" head driven through a 1" metal disk (refer to local building codes). Cover all nails with the selvage overlap of the next sheet.
- Position and install the next sheet by overlapping the side laps at a 3" minimum. Overlap and cut the end laps a minimum of 6". Repeat installation steps.
- Use Polyglass PolyPlus<sup>®</sup> 50 Premium MB Flashing Cement to seal all end laps, hip and ridge details, and any fabric-to-fabric splices, patches or details. Alternative ASTM D4586 and ASTM D3409 compliant flashing cements or approved materials may also be used.
- Roll entire roof surface with a 50 lb. weighted roller to ensure complete contact to the underlying surface. Firmly roll the seams and laps with a hand roller to ensure full adhesion. Alternative measures may be required for steeper roof designs.
- Six (6) concrete tiles per stack are allowed when loading tile on the underlayment (tile loading graphic seen on packaging)
- Loading battens or other appropriate restraint devices are to be used on all projects for loading of roof coverings and it is recommended even at slopes lower than 6/12 if the risk of sliding is suspected.

- Minimum time after membrane installation and before loading of roof tile is 48 hours.
- Hydraguard underlayments are not designed for use at exposed application locations such as; crickets, exposed valleys and exposed areas at walls.
- Manufacturer recommends that the installer follow good roofing practices, application procedures as outlined in the NRCA, ARMA and other published practices.
- For applications involving non-ventilated attics or sheathing with radiant barriers, an anchor sheet is recommended to allow venting and prevent the creation of a double vapor barrier condition which can lead to issues related to underlayment wrinkling after installation and heat aging of the roof covering.

### MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- 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.*

*Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control.*

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