



SHIELD PRO

SELF-ADHERED TILE UNDERLAYMENT

PRODUCT DESCRIPTION

Hydraguard Shield Pro is a self-adhered underlayment engineered for steep-slope roofing applications, offering reliable waterproofing and durability in demanding environments. Its dual-compound construction ensures strong adhesion to roof decks while maintaining compatibility with various tile installation methods, including foam-applied and mechanically fastened systems.

With a slip-resistant surface and lap sealing technology, Hydraguard Shield Pro simplifies installation while maintaining watertight integrity across the roof system. A dependable choice for installers seeking a durable and affordable underlayment.

FEATURES AND BENEFITS

- Polyester reinforced surface engineered for slip resistance and strong foam set adhesion.
- Asphaltic compound provides excellent sealability around nails.

GENERAL RECOMMENDATIONS

- Be sure to follow all local building code recommendations and requirements.
- When full roof coverage is desired, proper ventilation of the structure is essential. Consult a design professional to determine appropriate venting requirements. For applications over non-ventilated attics or radiant barrier sheathing, the use of an anchor sheet such as Polyanchor HV is recommended to promote ventilation and prevent the formation of a double vapor barrier.
- Hydraguard Shield Pro may be applied directly to the roof deck where allowable by Code, or to various approved substrates such as Polyanchor® HV nailable anchor sheet. For additional substrate requirements and information, refer to Polyglass' published "Suitable Substrates for Self-Adhered (SA) Membranes."
- Do not apply directly onto existing shingles or other roof coverings.
- Apply only when the substrate is dry, and project related temperatures (air, roof deck, membrane) are 40°F and rising.
- Hydraguard Shield Pro shall not be applied directly over open, unsupported deck joints. All joints or voids ¼" or greater shall be tapped or stripped in.
- Back-nailing is required on slopes of 2:12 or greater. Ensure all fasteners are covered by the overlapping course of membrane to maintain watertight integrity.
- Hydraguard Shield Pro is intended for a maximum exposure of 180 days. The Authority Having Jurisdiction, local codes, and weather conditions may affect the allowable exposure duration. It is not designed for permanent exposure. Do not use in exposed applications such as crickets, open valleys, or uncovered vertical walls.
- Polyglass recommends that the applicator follow good roofing practices, application procedures as outlined in the NRCA, ARMA, other published practices, as well as the roofing covering manufacturer's recommendations.
- Use loading battens or other suitable restraint methods during material staging on slopes—including slopes below 6:12—if there is any risk of material slippage.
- For detailed drawings, videos, and recommended installation procedures, please refer to our website at www.polyglass.us.



PRODUCT DATA

Net Coverage (Approx).....	200 ft ² (18.5 m ²)
Gross Coverage	215 ft ² (20 m ²)
Weight (Approx)	55 lbs (25 kg)
Thickness (Nominal)	60 mils (1.5 mm)
Roll Size	65'8" x 39 3/8" (20 m x 1 m)
Rolls/Pallet.....	25

APPLICABLE STANDARDS

- ASTM D1970
- Florida Building Code



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UNDERLAYMENT INSTALLATION

1. Apply over clean, dry, dust and debris-free substrates. Where required, prime substrates prior to application with Polyglass PG 100 Asphalt Primer, WB-3000 water-based primer, Polytack® CA, or alternative ASTM D41 primers as approved by Polyglass. Allow primers to dry per product instructions; refer to the applicable Polyglass Product Data Sheet for details.
2. Cut the Hydraguard Shield Pro to a suitable, workable length prior to placement.
3. Lay the material flat in place, starting at the lowest point.
4. Fold the membrane back onto itself (width-wise) and peel half of the release film from the roll. Gradually push/roll the material into place with firm, even pressure from the center to the outer edge. Repeat this process with the remaining half of the roll.
5. Back-nailing is required on slopes of 2:12 or greater. Ensure all fasteners are covered by the overlapping course of membrane to maintain watertight integrity.
6. Position successive rolls providing a minimum 6" end lap and 3" side lap. Position the next sheet by overlapping seams in such a manner that all laps shed water.
7. Use PolyPlus® 50 or PG 500 to seal all end laps, hip and ridge details, and any "SA to fabric" splices, patches, or details.
8. At side overlaps, remove the protective release film and apply even pressure to seam area.
9. All self-adhered membranes are pressure sensitive and require full adhesion to the substrate. After adhering the underlayment, apply uniform pressure across the entire surface using a minimum 35 lb weighted split-faced roller to ensure complete contact. For steep slope applications where safety is a concern, brooming the membrane surface with firm, sufficient pressure is an acceptable alternative to rolling. Always follow proper safety procedures.
10. Cut and repair any fishmouths that may occur during installation, as fishmouths may protrude and raise the finished roofing system.
11. To repair damaged areas, clean the surface and apply a bed of modified cement such as PolyPlus 50 or PG 500, extending at least 6" beyond the damaged area in all directions. Cut a piece of Hydraguard Shield Pro to fit the area and hand-roll the patch firmly into place. Install patches so water flows parallel to or over all seams.

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.

For most current product data, visit www.hydraguardroofproducts.com