



TECHNICAL DATA SHEET
HydroShield® Ice & Water High Temp
Self-Adhered Tile & Metal Underlayment

Physical Property	Typical Value	Test Method
Surfacing	Blue Polyolefin Skid-resistant Film	-
Composition	Modified-asphalt	-
Thickness (mil)	40	-
Maximum Load (psi), MD/XD	750 / 1100	ASTM D2523
Elongation at Break (%), MD/XD	250 / 200	ASTM D2523
Tear Resistance (lbf), MD/XD	150 / 150	ASTM D624
Adhesion to Plywood at 75 °F(lbf/ft-width)	68	ASTM D1970
Nail Sealability	Pass	ASTM D1970
Low Temperature Flexibility	Pass at -20 °F	ASTM D1970
Waterproofing Integrity after Low Temperature Flexibility	Pass	ASTM D1970
Slip Resistance	Pass	ASTM D1970
Thermal Stability	Pass	ASTM D1970
Moisture Vapor Permeance (perms)	<0.1	ASTM E96
Exposure Limit*	120 days	-
Service Temperature	-40 °F to 250 °F	-

Product Characteristic	Units	Results
Width	in	36
Length	ft	65
Gross coverage	ft ²	195
Weight	lbs	50
Rolls per pallet	-	30

*If temperatures below 40°F and/or high winds are expected prior to application of finish covering, secure HydroShield® Ice & Water High Temp in place with mechanical fasteners to prevent delamination.

Approvals and Certifications

- Meets performance criteria of ASTM D1970
- UL Class A fire classification as a Prepared Roofing Accessory. **HydroShield® Ice & Water High Temp** is intended to be installed in accordance with the application instructions included with the basic prepared roof-covering material.

Description

HydroShield® Ice & Water High Temp is an SBS modified bitumen roofing membrane underlayment reinforced with a superior skid-resistant polyolefin surface film. The membrane is specifically designed to be self-adhered on sloped roof surfaces as secondary seal under shingles, metal or tile.

Features

- High temperature (250 °F) compound, appropriate for use under metal roofs such as copper and zinc.
- Self-seals around nails and fasteners for lasting watertightness.
- Fully adhered system prevents lateral moisture migration.
- Premium skid-resistant textured blue film surface.
- Split-back release liner for easier handling and faster application.
- Shrink-wrap packaging for better product protection during storage in various weather conditions.

HydroShield® Ice & Water High Temp Underlayment

Usage

HydroShield® Ice & Water High Temp is a self-adhered rubberized waterproof roofing membrane underlayment. It is used as a secondary waterproofing layer on slope roofs in both residential and commercial buildings, protecting the building's interior from damages caused by water infiltration as a result of ice dams or wind-driven rain. It is designed to be adhered directly to wood, gypsum decks or certain insulation panels prior to the application of finished roof coverings including architectural metal, tile, slate or cedar shakes.

Application

Prep: **HydroShield® Ice & Water High Temp** is designed to be adhered directly to the structural deck or to certain insulation panels such as polyisocyanurate. Acceptable substrates include plywood, OSB, wood plank, wood composition, concrete, gypsum board sheathing, glass faced gypsum sheathing, metal, and masonry. All substrates are to be free of dust, oil, dirt, debris, and moisture. All protrusions must be removed to provide a smooth surface. On re-roofing applications, remove old shingles, nails, and other loose materials. Priming is generally not required but is recommended over Dens Deck™, concrete or masonry substrates, or in cold/windy weather. Prime with Blueskin® Adhesive, Aquatac™ Primer, or Hi-Tac™ Adhesive applied as per application and handling guidelines outlined in specific data sheets. Allow primer to dry to a tacky film. Primed surfaces not covered by membrane during the same working day must be re-primed.

Note: Where furring strips or Z bars are installed immediately after installation of membrane, priming of substrate may be omitted. Optimum adhesion is achieved when ambient and surface temperatures are above 40 °F. For installation below 40 °F contact your Henry representative.

Apply: Apply membrane parallel or perpendicular to slope. When applied perpendicular to slope, apply membrane beginning at low point and proceed in shingle fashion. Position sheet to achieve correct overlap and alignment. Release upper half of release film by peeling off at 90° angle, then peel back second half of lower release film. Overlap on to clear film on sides and at ends a minimum of 2.75" for all applications.

Roof Edge Applications: When membrane is folded over the roof edge, it must be covered by flashing, gutter, or metal edge. Apply membrane far enough up the roof deck to meet local codes and to prevent leaks caused by ice dam formations.

Ridge & Valley Applications: Roll out and align manageable lengths of membrane. Slowly peel first half of release film. Press firmly in place beginning at center of ridge or valley. Repeat with second half of release film. Overlap at ends and sides a minimum of 3". Apply in shingle fashion on valleys.

Lap End Seals: Alternatively, seal end laps with **POLYBITUME® 570-05 Polymer Modified Sealing Compound** or **HE925 BES Sealant**.

Limitations

Not resistant to oils and solvents. Not designed for permanent exposure. Apply finish-covering materials as soon as practical following membrane application. If temperatures below 40 °F and/or high winds are expected prior to application of finish covering, secure membrane in place with mechanical fasteners to prevent delamination. Protect membrane from excessive traffic during application and until final roof covering is in place. Provide adequate insulation and ventilation in roofing systems or attic in cold climate areas. Thin films of dust, water, frost, or ice will affect the skid resistance of this product. Do not use in contact with flexible PVC (Poly Vinyl Chloride) membranes.

New dimensional lumber decks may contain knots with resin levels that can attack and severely soften the bitumen compound causing flow. Henry will not be responsible for these areas.

Packaging

3 feet wide X 65 linear feet = 1.95 SQ. roll
30 shrink-wrapped rolls per pallet

Storage

Store rolls on end in original pallets or elevated platform. Protect from weather or store in a dry enclosed area not subject to heat over 120°F. Do not double stack pallets.

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Precautions

HydroShield® Ice & Water High Temp has a slip-resistant poly surface however there may be jobsite conditions of steep slope, excess water, debris or thin films of ice that will affect the slip-resistance of the product and must be avoided. In all conditions follow OSHA safety requirements.

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