



Premium Self-Adhering Roofing Underlayment



Water & Ice Dam Protection

240°F High Temperature Stability

180 Day Exposure Rating

Grip Seal HT[®] is a peel and stick self-adhering roofing underlayment specifically designed with a Butyl formula and a specialized non-woven laminated walking surface. This unique combination allows the product to meet the high temperature requirements needed under metal roof systems, and also provides an excellent walk surface on steeper roof pitches, even when wet. Grip Seal HT[®] can be left exposed up to 180 days.

FEATURES

- Excellent adhesion even at temperatures down to 40°F.
- Advanced formula resists temperatures up to 240°F.
- Properly seals around screws, nails, and staples.
- Exposed coated overlap joint ensures excellent product sealing along the horizontal seams.
- Silicone coated split-release film provides ease of installation, even in higher temperature work environments.
- Specially designed non-woven walk surface provides excellent traction underfoot, even when wet.
- Designed for use under all roofing materials including metal, tile, shake, slate, asphalt shingles, and all types of synthetic roofing.
- Meets and exceeds the requirements of ASTM D1970, and D4869.

PRODUCT SPECIFICATIONS

Color	Light Gray
Surface	Non Slip Synthetic Polypropylene
Roll Size	36" x 66.7'
Roll Weight	46 lbs.
Thickness	44 Mils
Release Film	Silicone Treated Split Release Poly Film



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[OVER]



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APPLICATION INSTRUCTIONS

Grip Seal HT[®] underlayment must be applied to a properly prepared, dry roof surface, free from dust, dirt, debris, oils, and/ or any other contaminants that will affect proper adhesion to the substrate. Air and substrate temperatures should be above 40° for proper installation without surface priming. Grip Seal HT[®] is designed to be covered with the primary roofing system, and should not be left exposed to sunlight for more than 180 days.

DECK PREPARATION

Protrusions from the deck area must be removed and decks shall have no voids, damage or unsupported areas. Grip Seal HT[®] may be applied directly to plywood, OSB, concrete or masonry roof surfaces. Concrete and masonry decks should be primed with a solvent or a water based primer that meets ASTM D41 for asphalt based self-adhesive membranes. Priming is also recommended for proper adhesion at temperatures below 40°Fs.

For re-roofing projects, replace any water damaged sheathing, and sweep roof deck thoroughly to remove dust, dirt and loose nails. Do not install over old roof covering. Use of calcium or salt for ice and snow removal is not recommended.

VALLEYS

Always start in valleys. Cut Grip Seal HT[®] into manageable lengths, usually no longer than 15'. Align over the center of the valley. Remove 2 - 3 feet of release film at the bottom of the valley. Press the middle of the membrane, starting at the center of the valley area before working outward toward the edges. Continue to release film, making sure the membrane is pressed firmly into the center of the valley. Apply firm pressure throughout the edges and body of the membrane to ensure water tightness and proper adhesion. It is important that there are no voids in the center of the valley under Grip Seal HT[®]. This is one of the most critical areas of the roof. Never cover any building vents or penetrations during installation.

EAVES AND RAKES

Once the valley areas are complete, start at the bottom and work with 10 - 15' lengths of Grip Seal HT[®]. Always start at the valleys, and work your way toward the hip or rake edges. Release 2 - 3 feet of release film and align the edge of the membrane so it overhangs the drip edge by ½". Continue to remove the release film, and press the membrane firmly into place with hand pressure as you move across the roof area. Grip Seal HT[®] should be lapped 6" over hips, and have an end lap of ½" over the rake ends to cover the plywood edge.

END LAPS AND SIDE LAPS

Grip Seal HT[®] is specially designed with a 3" high-stick lap area at the top of the roll. It is important that each course of membrane is overlapping the full 3" to cover this area. For roofs 3/12 slope and above, a minimum 6" side lap is recommended. For roofs from 1/12 to 3/12 slope, it is required to increase the side lap to 12". Make sure all side laps, penetration laps, and any areas where Grip Seal HT is overlapped, are pressed firmly together for proper adhesion and that side laps are oriented in a manner that sheds water and follows good Roofing Practices. At lower temperatures, before the bitumen can properly bond, staples or 3/8" head roofing nails may be needed to hold material in place.

PERFORMANCE RATINGS

Low Temperature Flexibility	ASTM D1970	-20F
Maximum Load	ASTM D1970	81 lbf/in
Elongation Maximum Load	ASTM D1970	159%
Adhesion to Plywood 40°F	ASTM D1970	96 lb/ft
Adhesion to Plywood 75°F	ASTM D1970	58 lb/ft
Thermal Stability	ASTM D1970	Pass
Low Temperature Flexibility	ASTM D1970	Pass
Tear Resistance	ASTM D1970	111 lbf
Moisture Vapor Permeance	ASTM E96	.05 perms
Self Seal-ability Test	ASTM D1970	Pass
Lap Seam Seal-ability	ASTM D1970	Pass
Resistance to Liquid Water Transmission	ASTM D4869	Pass

Test data is based on average results and are not limiting specifications. Normal manufacturing variation may produce results 10% above or below typical data and should not be considered or interpreted as minimum or maximum values.

