



Glacier Guard 300

High Temperature Roofing Underlayment

PRODUCT TECHNICAL DATA

DESCRIPTION

Glacier Guard 300 is a high tensile strength rubberized asphalt underlayment specifically designed to withstand temperatures up to 250°F (121°C). Glacier Guard 300 is a composite membrane that consists of rubberized asphalt laminated to an impermeable polyethylene film layer and provides dual-barrier moisture protection.

ADVANTAGES

Glacier Guard 300 will resist temperatures up to 250°F without degradation of the adhesive. Glacier Guard 300 underlayment provides immediate adhesion and a watertight seal around fasteners. Glacier Guard 300 membranes bond directly to the roof substrate for fast and easy installation without the need for additional adhesives. Glacier Guard 300 will not crack, dry out or rot and provides long-term waterproofing performance.

INSTALLATION

General Information: Glacier Guard roofing underlayments are applied when the roof deck is dry and the substrate temperature is 40°F (4.4°C) or higher. At temperatures below 40°F, cap nails should be used to temporarily hold the membrane in place while adhesion develops. Glacier Guard 300 is designed to be covered with the primary roofing system and should not be exposed to sunlight for more than 60 days. White underlayment offers exposure time of 120 days.

Moisture: Substrate must be free of any moisture. If moisture is present, it may inhibit adhesion.

New Construction: Prepare the roof deck by removing all loose objects, dirt, dust or debris.

Re-roofing: Remove all old materials from the roof deck in the area to be covered with Glacier Guard roofing underlayment. Replace water-damaged sheathing and sweep roof deck thoroughly.

Valleys, Hips & Ridges: Cut Glacier Guard 300 roofing underlayment into manageable lengths. Align over the center of the valley, hip or ridge. Remove release film. Press the middle of the membrane first before working toward the edges. For open valleys, cover Glacier Guard roofing underlayment with metal valley liners.

Eaves & Rakes: Cut Glacier Guard roofing underlayment into 10-15' pieces. Remove 2-3' of release film and align the edge of the membrane, sticky side down, so it overhangs the drip edge by 3/8" (10 mm). Continue to remove release film and press as you move across the roof. Use a hand roller and/or hand pressure to press into place. Overlap end laps a minimum of 6". Glacier Guard roofing underlayment should reach a point 2' inside the interior wall line. Local codes may require additional courses. If additional courses are required, the top lap must be at least 3.5".

Drip Edges: At rake edge and eaves apply Glacier Guard underlayment first, wrapping it over the edge of the deck substrate. Place the drip edge on top. **Optional:** After Glacier Guard and drip edge is installed at the eaves, an additional 6" wide strip of Glacier Guard may be installed along the eaves over the drip edge.

PRODUCT SPECIFICATIONS

PRODUCT COMPONENTS			
Surface	Black/White Engineered Polyolefin Composite Film with Factory-applied Anti-skid Coating		
Membrane	Rubberized Asphalt		
PRODUCT CHARACTERISTICS		Units	Results
Length		feet	66
Width		inches	36
Weight		lbs.	55
Coverage/Roll		sq./ft.	200
PHYSICAL PROPERTIES		Units	Results
Thickness (D-1970)		mil.	40
Low Temperature Flexibility (D-1970)		°F	-40
Adhesion to Plywood at 75°F (D-1970)		lbs./ft.	35
Lap Seam Adhesion at 75°F (D-1970)		lbs./ft.	21
Sealability Around Nail (D-1970)		Pass	
Slip Resistance (D-1970)		Pass	
Thermal Stability (D-1970)		Pass	
Moisture Vapor Permeance (D-1970)		Perms	0.02
Water Absorption (D-1970)		%	0.5%
Tensile Strength Machine Direction (D-412)		psi	1200
Tensile Strength Transverse Direction (D-412)		psi	1390
Elongation at Break Machine Direction (D-412)		%	490
Elongation at Break Transverse Direction (D-412)		%	170
PACKAGING INFORMATION			
Boxes (rolls) per pallet		25	
APPLICABLE STANDARDS			
US-UL Classified			
2009 International Building Code			
State of Florida Approved Product FSA# FL6782			
Meets ASTM D1970			

WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. See www.ecostarllc.com for available warranties.