

GLACIER GUARD™ 300

High-Temperature Smooth Surface Underlayment

DESCRIPTION

Glacier Guard™ 300 underlayment is a 40-mil. self-adhering sheet membrane used for protecting roof substrates against moisture penetration from wind driven rain and water backup caused by ice dams. This membrane is designed for use in high temperature areas beneath all EcoStar® roofing systems and most steep sloped roofing products. The membrane will self-adhere to clean wood, plywood, and metal.

Glacier Guard 300 underlayment is a composite membrane consisting of rubberized asphalt laminated to an impermeable polyethylene film layer, providing dual-barrier moisture protection. The rubberized asphalt adhesive membrane is well suited for use where a water-resistant barrier is required. It has been specially formulated to withstand high heat environments. Split/perforated release backing film aids in easy positioning of sheets to maintain proper lines.

Glacier Guard 300 underlayment uses include but are not limited to the application under all EcoStar roof systems in high temperature climates or conditions, where a water- and ice-resistant barrier is required. It is ideally suited for application in desert climatic conditions. It has been specifically formulated to be temperature resistant up to 240°F.

INSTALLATION

Surfaces to receive membrane must be dry and free of dirt, dust, oils or other contaminants. Remove old roofing materials (if present) and any nails or other protrusion that could damage the membrane.

Cut membrane into manageable lengths for placement on roof substrate. Carefully align sheet along roof perimeter with the 3-1/2" film-covered selvage edge at the top (up slope), then expose a portion of the adhesive and adhere to the deck.

Installation at 50°F or below may require nailing or priming to hold the membrane in place temporarily while adhesion develops.

Remove remaining release liner while adhering membrane to the substrate. Begin at the low point of the roof and work toward the ridge. All laps should shed water. Overlap seams 3-1/2" minimum and end laps 6" minimum.

For full roof coverage application, proper venting of the structure must be maintained. Consult with the technical department to ensure proper venting requirements have been achieved. In some higher-slope applications backnailing will be required, be sure that all nails are covered by the overlapping sheet.

ADVANTAGES

Glacier Guard 300 underlayment provides immediate adhesion and a watertight seal around fasteners.

Glacier Guard 300 has a split release film for easy handling. Glacier Guard 300 underlayment can be used around chimneys and penetrations as a concealed flashing as well as on ridges and in valleys. Glacier Guard 300 underlayment helps prevent roof leaks on roof slopes as low as 3/12.

LIMITATIONS

The roof deck must be clean, dry and free of debris. Surface must be free of sharp protrusions which could cut through the membrane.

Glacier Guard High Temp Smooth Surface underlayment must be covered with finished roofing material within 60 days. This membrane is not intended for permanent exposure.

PRODUCT SPECIFICATIONS

PRODUCT COMPONENTS		
Surface Membrane	Black Film	Rubberized Asphalt
PRODUCT CHARACTERISTIC		
Length	feet	66.7
Width	inches	36
Weight	lbs.	65
Coverage/Roll	sq./ft.	200
PHYSICAL PROPERTIES		
Thickness (D-1970)	mil.	40
Tensile strength (D-412)	psi	550
Elongation (D-412)	%	300
Pliability (D-1970)	°F	Pass @ -25
Permeance (E-96)	perms	.01 max.
Water Absorption (D-1970)	%	.1 max.
Peel Adhesion (D-1970)	lb./in.	4
Lap Adhesion (D-1970)	lb./in.	10
Low Temp Flexibility (D-412)	no cracking/delamination	
PACKAGING INFORMATION		
Rolls per box	1	
Weight per box (w/roll)	lbs.	65
Boxes (rolls) per pallet	25	
Weight per pallet	lbs.	1675

WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. EcoStar will at its option either supply new product or refund the purchase price of any product found to be defective hereunder.

EcoStar's limited warranties are the only warranties extended by EcoStar with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. EcoStar specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of EcoStar's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the EcoStar material in question.



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PRODUCT TECHNICAL DATA