

GLACIER GUARD™ 100

Granular Surface Underlayment

DESCRIPTION

Glacier Guard™ 100 underlayment is an 55-mil. self adhering sheet membrane used for protecting roof substrates against water penetration from wind driven rain and water backup caused by ice dams. This membrane is used in new construction and reroofing beneath all EcoStar® roofing systems and most steep sloped roofing products. The membrane will self-adhere to clean wood, plywood, and metal.

Glacier Guard 100 is a flexible, rubberized asphalt, fiberglass reinforced membrane with a granular surface providing maximum skid resistance during installation. A scored siliconized plastic release liner is used to prevent the material from sticking together in the roll and is easily stripped away for installation.

The membrane adheres tenaciously to the deck, permanently bonds to itself at the laps and provides a seal around nails or other fasteners that penetrate the deck during installation of the primary roofing material.

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" 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 low point of roof and work toward the ridge. All laps should shed water. Overlap seams 3-1/2" minimum and end laps 6" minimum.

ADVANTAGES

Glacier Guard 100 underlayment provides immediate adhesion and a watertight seal around fasteners. EcoStar Glacier Guard 100 underlayment has a split plastic release film for easy handling. Glacier Guard 100 underlayment can be used around chimneys and penetrations as a concealed flashing as well as on ridges and in valleys. Glacier Guard 100 underlayment helps prevent roof leaks on roof slopes as low as 3/12.

LIMITATIONS

Granules may be tracked onto adjacent surfaces. Metal in particular or other finished materials could be scratched or damaged.

Roof deck must be clean, dry and free of debris. Surface must be free of sharp protrusions which could damage the membrane.

Glacier Guard Granular Surface roofing underlayment must be covered with finished roofing material within 14 days. This membrane is not intended for permanent exposure.

PRODUCT SPECIFICATIONS

PRODUCT COMPONENTS		
Surface Membrane	Black Granular Rubberized Asphalt	
PRODUCT CHARACTERISTIC	Units	Results
Length	feet	66
Width	inches	36
Weight	lbs.	65
Coverage/Roll	sq./ft.	200/100
PHYSICAL PROPERTIES	Units	Results
Thickness (D-1970)	mil.	55
Tensile (D-412)	lb./in. min.	40
Elongation (D-412)	%	10 min.
Pliability (D-1970)	°F	Pass @ -25
Moisture Vapor Permeability (E-96)	perms	.03
Permeability(E-96)	perms	.1 max.
Water Absorption (D-1970)	%	.37
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		20

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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