



Premium Building Products
That Protect

Rainproof GS™
Roofing Underlayment

TECHNICAL DATA

Properties	Test Method	Test Results
Surface Color		Granular
Thickness	ASTM D5147	55 mils
Maximum Load at Break @ 73.4°F (23°C) ± 3.6°F (-15°C); min; (lbf/in)	ASTM D2523/ASTM D1970	
MD		36
CMD		34
Elongation at Break @ 73.4°F (23°C) ± 3.6°F (-15°C); min; (%)	ASTM D412	
MD		13%
CMD		16%
Tear Resistance; min; (lbf)	ASTM D4073/ASTM 1970	
MD		69
CMD		65
Low Temperature Flexibility @ -20°F (-28°C); Pass/Fail	ASTM D1970	Pass
Nail Sealability	ASTM D1970	Pass
Nail Sealability; After Low Temp Flexibility; Pass/Fail	ASTM D1970	Pass
Nail Sealability; Lap Seam; Pass/Fail	ASTM D1970	Pass
Adhesion to Plywood @ 75°F (23°C) ± 2°F (-16°C); min; (lbf/ft)	ASTM D903 ASTM D1970	31
Adhesion to Plywood @ 40°F (4°C) ± 2°F (-16°C); min; (lbf/ft)	ASTM D903 ASTM D1970	35
Moisture Vapor Permeance; max; (U.S. Perms)	ASTM E96 (Inv. Water)	≤ 0.03
Slip Resistance @73°F (22°C); (lbf) (inclined Plane)	ASTM D4521	1.7
Operating Temperature		40°F to 250°F (4°C to 121°C)

PACKAGING

36" x 66.8' (200 SF/Roll)

DESCRIPTION

Rainproof GS™ is an SBS-modified, cold-applied, self-adhering membrane reinforced with a non-woven fiberglass mat for extra strength and durability with a skid resistant, granulated surface.

FEATURES

- Minimum 250°F (121°C) softening point
- Fully adhered system
- Skid resistant granular surface
- Seals around properly installed fasteners
- Silicone treated, split back, release film allows for easy installation and handling
- Can be installed Horizontally or Vertically (as code allows)
- Can be installed on roof pitches down to 2"/12", for lower slopes contact your Protecto Wrap Representative

USES

Used as a complete waterproof roofing underlayment on new and *retro-fit** roofs under most roof coverings. Rainproof GS can also be used at low slope areas, Hip, Ridge, Valleys, Rake edges, Confined Rake edges, around skylights and chimneys.

LIMITATIONS

Not recommended for use under high temp roofing applications (not recommended for roofs that exceed 250°F (121°C) operating temperature).

Not recommended for use on roof slopes less than 2"/12" (without approval).

Not recommended for use over existing roof coverings.

Not recommended for use under tile or metal roof systems.

SHELF LIFE

Rainproof GS maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE

Rainproof GS should be stored in the original, unopened container at ambient temperatures between 40°F to 90°F (5°C to 32°C). Storage area should remain dry and out of direct sunlight. Do not remove materials from original containers until ready for use. Do not double stack pallets.

PREPARATION

Roof deck surface shall be clean, dry and free of any foreign materials. The roof deck surface shall be free of gaps, sharp edges and protrusions.

Non-wood surfaces (including concrete and masonry) should be primed prior to application.

* Note: If deck surface cannot be cleaned to a like new surface or the deck is damp or below 40°F (4°C), primer should be used prior to the application of the membrane. Refer to: Technical Letter Primer Selection for more information.

APPLICATION

Rainproof GS can be installed on any exterior grade solid sheathing normally used for roof decking.

Install membrane such that all laps shed water in both vertical and horizontal installations.

Valleys require a minimum 18" wide roll of **Rainproof GS** centered down the full length of the valley.

Install membrane starting at the lowest point of roof slope and work up the slope.

Position the roll into the desired location, roll out the membrane and cut to length as needed.

Align the roll with edge of eave or overlap of preceding roll, pull membrane tight, start by removing a portion of the release liner and adhere to roof deck (reposition as needed prior to removing the remaining release liner).

Lift the opposing end of the membrane and remove or strip the release liner, pulling it to one side, keep membrane aligned and tight, adhere membrane to the roof deck while another person brooms the sheet flat.

Edge laps are 3" minimum and end laps are 6" minimum. All laps should be firmly pressed or rolled to ensure a positive seal; end laps should be sealed with a ½" bead of JS160H Mastic troweled flat.

* Additional methods and details can be found at www.protectowrap.com or call (800) 759-9727.

CLEAN UP

Dispose of waste in accordance to local requirements. Control worksite so that boxes and release liner do not present a hazard.

CAUTION

Rainproof GS should not come into contact with solvent based products, polysulfide's, plasticized PVC roofing materials or high concentrations of resins (pitch).

Rainproof GS incorporates a skid resistant surface; however, Protecto Wrap Company recommends the use of appropriate fall protection when installing roof underlayments.

LIMITED WARRANTY

This product is covered by the Protecto Wrap Standard 5 Year Limited Warranty.

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