

TECHNICAL DATA

Properties	Test Method	Test Results
Surface Color		Mottled White
Thickness	ASTM D5147	50 mils
Maximum Load at Break @ 73.4 ± 3.6°F ; min; (lbf/in)	ASTM D2523 ASTM D1970	
MD		90
CMD		44
Elongation at Break @ 73.4 ± 3.6°F ; min; (%)	ASTM D412	
MD		30%
CMD		32%
Tear Resistance; min; (lbf)	ASTM D4073 ASTM 1970	
MD		160
CMD		73
Low Temperature Flexibility @ -20°F; 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 ± 2°F; min; (lbf/ft)	ASTM D903 / ASTM D1970	32.4
Adhesion to Plywood @ 40 ± 2°F; min; (lbf/ft)	ASTM D903 / ASTM D1970	27.2
Moisture Vapor Permeance; max; (U.S. Perms)	ASTM E96 (Inv. Water)	0.0
Slip Resistance @73°F; (lbf) (inclined Plane)	ASTM D4521	0.8
UV Exposure period		90 days
Operating Temperature		40°F to 250°F (4°C to 121°C)

PACKAGING

36" x 66.8', 200 SF roll

DESCRIPTION

Rainproof Plus is a cold applied self-adhering membrane composed of a slip resistant woven polyester surface, a fiberglass reinforced mat coated with a layer of high temp rubberized asphalt.

FEATURES

- 90 Day exposure rating
- Minimum 250°F (121°C) softening point
- Fully adhered system
- Slip resistant topping for added footing safety
- 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 including tile and metal applications. Can 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 recommend for use over granulated surfaces or existing roof coverings.

SHELF LIFE

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

STORAGE

Rainproof Plus 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.

* Note: If deck surface cannot be cleaned to a like new surface or the deck is damp or below 40°F (5°C), primer should be used prior to the application of the membrane. Refer to: Technical Letter Primer Selection for more information.

APPLICATION

Rainproof Plus 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 Plus** 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 Protecto Wrap Company 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. Packaging materials and release liner can be recycled.

CAUTION

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

Rainproof Plus incorporates a slip 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 7 Year Limited Warranty

PROTECTO WRAP COMPANY
1955 South Cherokee Street
Denver, CO 80223
(303) 777-3001 • (800) 759-9727
FAX (303) 777-9273
www.protectowrap.com