



Premium Building Products
That Protect

Rainproof 40 High Performance Roof Underlayment™

Roofing underlayment

TECHNICAL DATA

Properties	Test Method	Test Results
Surface Color		Mottled White
Thickness Requirement: 40 mils	ASTM D 5147	49 mils
Maximum Load Requirement: ≥ 25 lb/in-width	ASTM D 2523/ ASTM D 1970	MD 61 CD 35
Elongation at Break Requirement: ≥ 10%	ASTM D 2523/ ASTM D 1970	MD 45 CD 90
Adhesion to Plywood @ 40°F Requirement: ≥ 2.0 lb/ft-width	ASTM D 2523/ ASTM D 1970	13.7
Adhesion to Plywood @ 73°F Requirement: ≥ 12.0 lb/ft-width	ASTM D 903/ ASTM D 1970	26.7
Thermal Stability Requirement: ≤ 0.1 in.	ASTM D 1204/ ASTM D 1970	0.0
Low Temperature Stability (Pass/Fail)	ASTM D 1970	Pass No visible signs of cracking and pass head of water test
Tear Strength Requirement: ≥ 20 lbf	ASTM D 4073/ ASTM D 1970	MD 100 CD 70
Moisture Vapor Permeance Requirement: ≤ 0.1 US Perms	ASTM E 96 Procedure BW	0.05
Self-Sealability around nail Requirement: Pass/Fail	ASTM D 1970/ ASTM D 7349 Protocol 4 (mod)	Pass No water in the bottom of the can, or underside of substrate, on fastener shank, or between product and substrate
Self Sealability of side seam lap Requirement: Pass/Fail	ASTM D 1970/ ASTM D 7349 Protocol 4 (mod)	Pass No water in the bottom of pan, or between the plywood and the unadhered upper piece
Physical Requirement- Other		
Unrolling (Pass/Fail) Requirement: Visual inspection in the unrolled position	ASTM D 5636/ ASTM D 5147/ ASTM D 1970	Pass shall not crack nor stick to cause tearing or other damage
Puncture Resistance	ASTM E 154	>150 psi
Accelerated Weathering Outdoor Exposure	ASTM D 1970	180 Days
Accelerated Weathering Maximum Load Strain - Requirement ≥ 25 lbs./in. width	ASTM D 2523/ ASTM D 1970	MD 64 CD 34
Accelerated Weathering Elongation at Break - Requirement ≥ 10 %	ASTM D 2523/ ASTM D 1970	MD 32 % CD 66 %
Accelerated Weathering Low Temperature Flexibility Visual Inspection Self Sealability (head of water) Flexed Specimen	ASTM D 1970	Pass no visual signs of cracking and pass head of water test. MD- Pass CD - Pass
Installation Temperature	-	40°F to 120°F (4°C to 48°C)
In-Service Temperature	-	-45°F to 250°F (-42°C to 121°C)

PACKAGING

36" x 67' roll (201 SF/Roll)

DESCRIPTION

Rainproof 40 High Performance Roof Underlayment™ is a cold applied self-adhering SBS modified, rubberized asphalt sheet waterproofing underlayment. **Rainproof 40** is internally reinforced with a strong non-woven polyester fabric. The membrane has a white reflective fabric topping.

FEATURES

- 12 month exposure rating
- Fully self adhered roofing underlayment system
- 2½" zip strip release liner for ease of edge overlap adhesion
- Durable White reflective topping for added footing safety and heat reduction
- Seals around properly installed fasteners
- 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. Can be used at low slope areas, Hip, Ridge, Valleys, Rake edges, Confined Rake edges, around skylights and chimneys. Rainproof-40™ may be used as an underlayment to which concrete or clay roof tiles may be adhered to. Tile installation should be based on published tile manufacturer installation guidelines.

LIMITATIONS

Not recommended for use under high temperature roofing applications (not recommended 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 40 maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE

Rainproof 40 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. Do not store rolls on end.

SURFACE 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 (4°C), primer should be used prior to the application of the membrane. Refer to: Technical Letter Primer Selection for more information.

APPLICATION

Rainproof 40 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 40**, 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 2½" zip strip 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 2" minimum and end laps are 6" minimum. All laps should be firmly pressed or rolled to ensure a positive seal.

* Additional methods and details can be found at www.protectowrap.com.

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

Rainproof 40 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 10 Year Limited Warranty.

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