

RHINOROOF® U20

SYNTHETIC UNDERLAYMENT

U20

THE UNDERLAYMENT OF CHOICE.
FROM THE BRAND ROOFERS RELY ON.



FOR USE UNDER ASPHALT SHINGLES, RESIDENTIAL METAL, COMPOSITE SHINGLES & CEDAR SHAKE



RHINOROOF® U20
SYNTHETIC UNDERLAYMENT

**NOW EVEN
BETTER**

LOOK & FEEL

TEAR STRENGTH

LONGER EXPOSURE

IMPROVED WALKABILITY



CONTRACTOR-TRUSTED

TO HELP KEEP CREWS SAFE AND HOMES PROTECTED.

Being a roofer means long, exhausting days spent in unforgiving conditions, from a range of temperatures. So we're constantly looking for ways to make your job safer, easier and faster. The original RhinoRoof® U20 won over roofing contractors everywhere with lightweight roof deck protection that's water-resistant and stronger than felt.

Our latest formulation works even harder to help keep crews safe and the roof deck dry.



STRONGER FORMULATION

Improved tear resistance for even better protection against inclement weather and foot traffic. **UP TO 2X STRONGER THAN COMPETITIVE UNDERLAYMENTS.***



EXCELLENT DECK ADHESION

Proprietary back coating holds tight to the deck, plus our trusted fiber grip topside for security in every step.



90-DAY UV RESISTANCE

Stands up to the effects of UV rays for up to 3 months of worry-free exposure.



20-YEAR WARRANTY

Comes with a 20-year limited warranty**

START STRONG™

Install right from the start with the brands you know and trust. Our growing portfolio of high performance self-adhered ice and water barrier and synthetic underlayment products give you the best options for every roofing job. From asphalt to metal, you can rest assured knowing the roof deck is completely protected.

RhinoRoof® U20 Synthetic is the underlayment of choice for almost any residential roof. Offering protection that's stronger than felt for superior wind resistance and durability through heavy foot traffic and adverse weather conditions. Its engineered, high-strength design is ideal for use under asphalt shingles, composite shingles, metal roofing and cedar shake.****

For Eave to Peak Protection™ combine RhinoRoof® U20 underlayment with RhinoRoof® Granulated self-adhered ice and water barrier under asphalt shingles for a second line of defense against moisture and damage.

RHINOROOF® U20 TECHNICAL DATA

SPECIFICATION

LENGTH PER ROLL:	286' (87 M)
WIDTH PER ROLL:	42" (1.1 M)
WEIGHT PER ROLL:	23.5 LBS (10.6 KG)
ROLL SIZE:	10 SQ (93 M ²)
ROLLS PER PALLET:	67
PALLET WEIGHT:	1626 LBS (738 KG)

TECHNICAL DATA

TEST & STANDARD

TEST METHOD

Meets or exceeds the following test standards

Breaking Strength	ASTM D146
Pliability	ASTM D146
Loss of Heating	ASTM D146
Unrolling	ASTM D226
Liquid Water Transmission	ASTM D4869
Tear Resistance	ASTM D4533
Linear Dimensional Change	ASTM D1204
Pliability	CSA A 123.3
Moisture Vapor Permeance	ASTM E96
Burst Strength	ASTM D751
Class A Fire**	ASTM E108

MEETS CODES

- Meets ASTM D226 Types I & II and D4869 Type IV
- Meets ASTM D8257
- Meets CAN/CSA A123.3
- Class A Fire - ASTM E108 (as part of a system)**
- Texas Department of Insurance
- Florida Product Approval

* Test data based on average of samples tested in accordance with ASTM 4533.

** See actual warranty for complete details, limitations and requirements.

*** ASTM E108 / UL 790 Class A Fire Resistant when installed under asphalt shingles.

**** This product is not intended for use under tile.



Install right from the start with
RHINOROOF® U20
SYNTHETIC UNDERLAYMENT

DUAL LOGO PRINTING AVAILABLE



INSTALLATION INSTRUCTIONS

RhinoRoof® U20 is a water and vapor barrier and therefore must be installed above a properly ventilated space(s). Follow ALL building codes applicable to your geographical region and structure type as it is considered a vapor barrier.

Always follow safe roofing practices and OSHA safety requirements. Always wear and use fall protection devices when working on roofs. Use caution when walking or standing on RhinoRoof® U20 underlayment in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.

DECK PREP: RhinoRoof® U20 should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections, or protruding nails. Acceptable roof deck materials are minimum 3/8 inch plywood, minimum 7/16 inch OSB, or minimum 6 inch roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.

USE: RhinoRoof® U20 must be covered by primary roofing within 90 days of application. U20 is designed for use under asphalt or composite shingles, metal in residential applications, and cedar shakes that have been primed.

APPLICATION: Slopes from 4:12 and higher: RhinoRoof® U20 is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4 inches and vertical laps should be 6 inches and anchored approximately 1 inch in from the edge. End laps in a succeeding course should be located at least 6 feet from laps in the preceding course.

Slopes 2:12 to less than 4:12: Cover the deck with two layers of RhinoRoof® U20. Begin by fastening a 22 inch wide strip of RhinoRoof® U20 along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22 inch course and overlap each successive course by 50% plus 1 inch. Additional fasteners may be required in high-wind regions per local building codes. Vertical lap requirements are the same as 4:12 and higher slopes. Slopes less than 2:12: RhinoRoof® U20 is not recommended for use.

FASTENERS: Provided there is no rain or high winds, RhinoRoof® U20 can be anchored with staples, cap staples or corrosive resistant 3/8 inch head X 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable), when covered with primary roofing on the same day.

If RhinoRoof® U20 will not be covered on the same day and up to 90 days, then product must be attached to the roof deck using a minimum 1 inch diameter plastic or metal cap roof nail (ring shank preferred, smooth leg acceptable). Miami-Dade approved tin tags/metal caps are also acceptable, and it is recommended for best performance to use with the rough edge facing up. For extended exposure, it is required that RhinoRoof® U20 be anchored in all locations printed on the facer. Consult local building codes for fastener type and spacing requirements.

For extended exposure conditions where driving rain or strong winds are expected, it is recommended to take additional precautions such as doubling the lap widths. Alternatively or in addition to, a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

ANCHORING: All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. Where seams and joints require sealant or adhesive, use a low solvent plastic roofing cement meeting ASTM D-4586 Type 1, or Federal Spec SS-153 Type 1 such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.



RhinoRoof® U20 Synthetic Underlayment
Charleston, SC • eavetopeak.com
email: answers@owenscorning.com
Toll Free: 800.567.9727