FEATURES & BENEFITS

- Meets ASTM D226 Types I & II and D4869 Types II & IV
- Fiber grip slip-resistant walking surface
- Enhanced UV - 60 days exposure
- 12 x stronger than #30 felt
- 8 squares more per roll compared to #30 felt
- 17% more coverage per lap (42" width as compared to 36" for felt)
- Ease of installation – wider, lighter, more coverage per lap
- Synthetic construction inert to mold growth
- Lays flat and does not absorb water and wrinkle
- No oil leaching - no hazardous material content
- Class A Fire - ASTM E108 (as part of a system)
- Contributes to LEED® points
- Texas Department of Insurance
- Advanced backside non-slip coating
- Low temperature flexibility

Intertek Intertek

MIAMI-DADE COUNTY APPROVED

CAN/CSA A123.3
CCRR-1015
FBC #FL15216

SCScertified™ MINIMUM 20% RECYCLED CONTENT PRE-CONSUMER

TECHNICAL DATA

*TEST & STANDARD	RHINOROOF® U20 TYPICAL VALUE	ASTM #30 FELT TYPICAL VALUE
Permeability ASTM E96	.05 Perms	1.75 Perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 33 lbs (15 kg) | CD 24 lbs (11 kg)	MD 4 lbs (1.8 kg) | CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751	MD 88 lbs (40 kg) | CD 70 lbs (32 kg)	MD 70 lbs (32 kg) | CD 38 lbs (17 kg)
Burst Strength ASTM D751	158 psi (1089 kPa)	62 psi (430 kPa)
Elongation ASTM D751	MD 20% CD 20%	MD 2% CD 2%
Weight per Square ASTM D5261	2.25 lbs (1.02 kg)	27.5 lbs (12.5 kgs)
Nominal Thickness ASTM D1777	7 mils (0.18 mm)	60 mils (1.5 mm)
Service Temperature Range	-40 °F to 240 °F (-40 °C to 115 °C)	

SPECIFICATIONS

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 m²**
ROLLS PER PALLET:	**67**
PALLET WEIGHT:	**1,626 lbs / 738 kg**

*Test data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. Vertical and horizontal laps reduce the net coverage. All values ± 10 %. RhinoRoof U20 is manufactured in accordance with national standards which allow for non-critical variances in weights and measurements. © 2015 InterWrap. All rights reserved.
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InterWrap® Inc. Roofing Products Division
Charleston, SC • Vancouver, BC • Mission, BC • Montréal, QC
www.InterWrap.com/RhinoRoof
Toll Free: 888 713 7663 | Tel: 778 945 2888
E-mail: info@interwrap.com

INSTALLATION INSTRUCTIONS

RhinoRoof® U20 is an air, 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.

DECK PREP: All protrusions from the deck area must be removed and ensure the deck has no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture free.

USE: RhinoRoof U20 must be covered by primary roofing within 60 days of application. U20 is designed for use under asphalt shingles, synthetic shingles, residential metal roofing and cedar shakes.

APPLICATION: For 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" and Vertical laps should be 6"and anchored approximately 1" in from the edge. For low slope (less than 4:12) applications it is recommended to overlap 50% plus 1", for complete definition of low slope and guidelines consult authorities having jurisdiction. U20 product is not recommended for slopes less than 2:12. The use of roofing hammer, pneumatic air or gas driven fastener tools is acceptable. The use of straight edge cutting knives is recommended.

FASTENERS: For **same day** coverage with primary roofing RhinoRoof U20 can be anchored with corrosive resistant 3/8" head x 1" leg roofing nails (ring shank preferred, smooth leg acceptable). The use of every other anchoring location printed on the product is also acceptable. **DO NOT USE STAPLES:** the use of staples to penetrate RhinoRoof U20 will void warranty.

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.

EXTENDED EXPOSURE: If RhinoRoof U20 product will be exposed longer than 24 hours and up to 60 days then product must be attached to the structural roof deck using a minimum 1" diameter plastic or metal cap roofing nails (ring shank preferred but smooth leg acceptable). Miami-Dade approved tin tags or 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 always recommended to anchor on every printed position on the facer. RhinoRoof U20 is not designed for indefinite outdoor exposure. 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. Alternately 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.

CAUTION - READ GOOD SAFETY PRACTICES BELOW
Good safety practices should be followed on steep slope roofs, such as use of tie-offs, toe boards, ladders and/or safety ropes and personal body harnesses. Follow OSHA guidelines. Slip resistance may vary with surface conditions from debris that accumulates, weather, footwear and roof pitch. Failure to use proper safety gear can result in serious injury. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof and is good safety practice. Remember to seal the nail holes after removing blocking.

The Original RhinoRoof® U20

SYNTHETIC ROOFING UNDERLAYMENT

For use under Asphalt Shingles, Synthetic Shingles, Residential Metal Roofing and Cedar Shakes

Break free from felt!™

Brought to you by the manufacturer of Titanium®

For use under Asphalt Shingles, Synthetic Shingles, Residential Metal Roofing and Cedar Shakes

Say goodbye to traditional asphalt saturated felt paper - Break free from felt™ with RhinoRoof® U20 synthetic roofing underlayment!

RhinoRoof U20 is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment for sloped roofs. RhinoRoof's durable and high strength design along with its fiber grip walking surface provides a considerable improvement over asphalt saturated felt. The fiber grip textured walking surface can also be chalked just like felt.

Gain an edge in productivity and profits; RhinoRoof's light weight, 42" width and 286 ft run length allows for fewer laps, cuts, and easier roll handling compared to felt. This means you can do more jobs in less time, use less labor, and inventory fewer rolls.

Gone are the days of blow-offs and call backs! RhinoRoof U20 is 12 times stronger than #30 felt and therefore offers superior wind resistance and durability through heavy roof traffic and adverse weather conditions. Stay on track, take on more jobs and sleep assured your U20 projects will remain intact and dried-in. RhinoRoof U20 will save you time and money with less material damage and fewer post-install repairs.

Unlike traditional asphalt saturated felts, RhinoRoof U20 can be used in extremely low temperatures without becoming stiff and difficult to unroll. It also does not dry out, crack, or leach oils in the heat like felt. RhinoRoof U20 is 100% synthetic and will not absorb water and wrinkle like felt. It lays flat and will remain 100% impervious to mold.

RhinoRoof U20 can also be used in conjunction with RhinoRoof RSA or Titanium® PSU30 self-adhered underlayments for ice damming protection along the eaves and in the valley areas.

RhinoRoof U20 will continue to protect your long life primary roofing long after felt has turned to dust! Unlike felt, RhinoRoof U20 is also backed by a 20 year manufacturer's limited warranty.

Break free from felt, choose RhinoRoof U20 synthetic roofing underlayment from InterWrap.

InterWrap®
weaving a better world™

HOME OWNER BENEFITS

RhinoRoof® Synthetic Roofing Underlayment is the ideal choice for your roofs secondary layer of protection. RhinoRoof is made by InterWrap®, the leading manufacturer of synthetic underlayments, so you can rest assured that you will be installing one of the highest quality underlayments available. With RhinoRoof your roof will benefit from over twelve years of industry research and development.

- RhinoRoof provides a lasting secondary layer of protection against, wind driven rain, shingle blow-offs, hail storms and other violent acts of Mother Nature
- Rest assured knowing your underlayment is covered by a leading manufacturers 20 year warranty
- Proven performance – RhinoRoof is fast becoming the synthetic underlayment of choice for professional roofing contractors
- Increase the true life of your roof – RhinoRoof does not break down, dry out and degrade like traditional asphalt felt products
- Reduce your liability - ensure workers on your roof have a safer walking surface
- Wider and longer rolls offer fewer horizontal and vertical seams on your roof which reduces the number of potential leaks
- Up to 12 times stronger than #30 felt!
- RhinoRoof can be left exposed to dry-in your home for up to 60 days. This allows for more flexibility in scheduling your primary roofing install