



RhinoRoof™

SYNTHETIC 15 LB FELT REPLACEMENT

FOR USE UNDER ASPHALT SHINGLES ONLY

**MEETS ASTM D226 & D4869
AIR, WATER & VAPOR BARRIER**

Say goodbye to traditional asphalt saturated felt paper and Break free from felt™ with RhinoRoof™ synthetic 15 lb felt replacement!

RhinoRoof is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment for sloped roofs. Unlike asphalt saturated felt paper that can be slippery underfoot, RhinoRoof's fiber grip walking surface improves steep slope walk-ability. Fiber grip unique textured surface can also be chalked just like felt.

RhinoRoof's light weight, 42" width and 286 ft run length allows for fewer laps, cuts and easier roll handling compared to 15 lb felt. This means you can do more jobs in less time which means big saving in time and labor. Inventory fewer rolls and gain an edge in productivity and profits.

Gone are the days of blow-offs and call backs! RhinoRoof is 25 times stronger than 15 lb 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 tight on your dried-in RhinoRoof projects. RhinoRoof will save you time and money with less material damage and fewer post-install repairs.

Unlike traditional asphalt saturated felts, RhinoRoof 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 is 100% synthetic and will not absorb water and wrinkle like felt. It lays flat and will remain 100% impervious to mold.

RhinoRoof can also be used in conjunction with TITANIUM® PSU-30 self adhered underlayment for ice damming protection along the eaves and in the valley areas.

RhinoRoof will continue to protect your long life primary roofing long after felt has turned to dust! Unlike felt, RhinoRoof is also backed by a 10 year manufacturer's limited warranty.

Break free from felt, choose RhinoRoof synthetic 15 lb felt replacement from InterWrap.



weaving a better world™



RhinoRoof™

SYNTHETIC 15 LB FELT REPLACEMENT

Break free from felt!™





FEATURES & BENEFITS

- 25 x Stronger than 15 lb felt
- 130% more coverage per roll compared to 15 lb 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
- Enhanced UV protection
- No oil leaching - no hazardous material content
- Fiber grip slip-resistant walking surface
- Advanced backside non-slip coating
- Low temperature flexibility

CAN/CSA A123.3 | FBC #FL15216



TECHNICAL DATA

TEST & STANDARD	RHINOROOF™ TYPICAL VALUE	ASTM 15 LB FELT TYPICAL VALUE
Permeability ASTM E96	.05 Perms	5 Perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 26 lbs (12 kg) CD 24 lbs (11 kg)	MD 2.2 lbs (1 kg) CD 0.9 lbs (0.4 kg)
Tensile Strength ASTM D751	MD 81 lbs (37 kg) CD 70 lbs (32 kg)	MD 54 lbs (24.5 kg) CD 29 lbs (13.2 kg)
Burst Strength ASTM D751	130 psi (897 kPa)	35 psi (242 kPa)
Elongation ASTM D751	MD 20% CD 20%	MD 3% CD 4%
Weight per Square ASTM D5261	2.25 lbs (1.02 kg)	11.2 lbs (5 kg)
Nominal Thickness ASTM D1777	7 mils (0.018 mm)	21 mils (0.525 mm)
Temperature Range	-40 °F to 240 °F (-40 °C to 115 °C)	

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. All values ± 10%. RhinoRoof™ is manufactured in accordance with national standards which allow for non-critical variances in weights and measurements. InterWrap, the InterWrap logo, weaving a better world, and RhinoRoof are trademarks of InterWrap Inc. © 2012 InterWrap Inc. All rights reserved. RR_5Sep2012

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: 56
PALLET WEIGHT: 1368 lbs / 620 kg

*Vertical and horizontal laps reduce the net coverage

InterWrap® Inc. Roofing Products Division

• Charleston, SC • Vancouver, BC • Mission, BC • Montréal, QC

www.interwrap.com/RhinoRoof

Toll Free: 1 888 713 7663 | Tel: 1 778 945 2888

E-mail: info@interwrap.com

AVAILABLE AT:

INSTALLATION INSTRUCTIONS

RhinoRoof is a synthetic roof underlayment and is designed and manufactured to replace 15 lb saturated asphalt felt. RhinoRoof 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: Protrusions from the deck area must be removed and decks shall have no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture free.

APPLICATION: RhinoRoof must be covered by asphalt shingles within 30 days of application. **Follow all local municipality, state/province or national building codes for your region applicable to low slopes, defined as 2/12 to 4/12, and steep slopes greater than 4/12 applications.** For slopes from 4/12 to 7/12 RhinoRoof is 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 slopes double coverage plus 1" (i.e. 22" horizontal overlap) is recommended, vertical end laps should be 12" overlap and anchored 1" in from the edge. Roof slopes greater than 7/12 pitch must be installed with Plastic Cap and Nails and be anchored in each location as printed on product. For slopes > 7/12 RhinoRoof must be covered within 24 hours.

The use of roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tools is acceptable. The use of straight edge cutting knives is recommended.

FASTENERS: Same day coverage with asphalt shingles - If RhinoRoof is covered within 24 hours of installation, it can be anchored with corrosive resistant 3/8" head x 1" leg roofing nails (ring shank preferred, but smooth leg roofing nail is acceptable). For same day coverage use of every other anchoring location printed on the product is acceptable. **DO NOT USE STAPLES:** use of staples to penetrate RhinoRoof will void warranty.

ANCHORING: All anchoring nails must be flush, 90 degrees to the roof deck, tight with the underlayment surface and the structural roof deck. For extended exposure (30 days), driving rain or strong winds, double the lap widths as a minimum. Alternatively: fold the overlay laps forming a "J" channel configuration before nailing; using a compatible sealant between the laps, or using a peel and stick tape is highly recommended. See our website for more details. For batten secured installations, use only adequate length ring shank nails or screws (preferred), smooth leg nails (acceptable) to secure battens to the structural roof deck material. Do not install battens directly over any cap nails. If this occurs, remove cap nail, patch the hole, then install cap outside batten field and continue.

Where seams and joints require sealant or adhesive, use a high quality, low solvent asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos Free) Federal Spec SS-153 Type 1 (Asbestos Free) 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 product will be exposed longer than 24 hours and up to 30 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 nails acceptable). Plastic Cap and Nails are defined as a minimum 1" (25mm) diameter plastic or metal cap with either ring shank nails (preferred) or smooth leg nails (acceptable). Miami Dade approved tin tags/metal caps are also acceptable with the rough edge facing up. For 30 day exposure anchoring on every printed position is required. RhinoRoof is not designed for indefinite outdoor exposure.

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.

Break free from felt!™

The most advanced breakthrough in 15 lb felt replacement technology!

