



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



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



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 m ²
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.
RR-U20 23Dec2015

InterWrap® Inc. Roofing Products Division
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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 face. 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

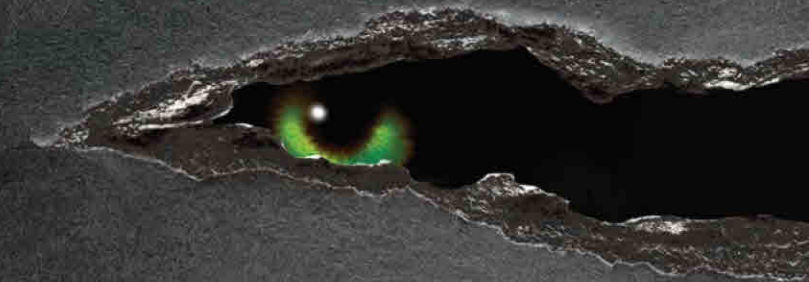
Good safety practices should be followed on steep slope roofs, such as use of tie-offs, toe boards, ladders and/or safety ropes and personal body harnesses. Follow OSHA guidelines. Slip resistance may vary with surface conditions from debris that accumulates, weather, footwear and roof pitch. Failure 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



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.



weaving a better world™



HOME OWNER BENEFITS

RhinoRoof® Synthetic Roofing Underlayment is the ideal choice for your roof's 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 manufacturer's 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

RhinoRoof® U20

Synthetic Roofing Underlayment

U20 Technical Data



U20 ROLL & PALLET 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 m ²
ROLLS PER PALLET:	67
PALLET WEIGHT:	1,626 lbs / 738 kg

TEST & ASTM STANDARD	RHINOROOF U20 TYPICAL VALUE	#30 FELT TYPICAL VALUE
Class A Fire E108	Pass	N/A
Permeability E96	.05 perms	1.75 perms
Water Transmission D4869	Pass	Pass
Tear Strength 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 D751	MD 88 lbs (40 kg) CD 70 lbs (32 kg)	MD 70 lbs (32 kg) CD 38 lbs (17 kg)
Burst Strength D751	158 psi (1089 kPa)	62 psi (430 kPa)
Elongation D751	MD 20% CD 20%	MD 2% CD 2%
Weight per Square D5261	2.25 lbs (1.02 kg)	27.5 lbs (12.5 kg)
Nominal Thickness D1777	7 mils (0.18 mm)	60 mils (1.5 mm)
Service Temperature Range	-40 °F to 240 °F (-40 °C to 115 °C)	

U20 Building Codes



- Meets and exceeds ASTM D226 Types I & II and D4869 Types II & IV
- Miami-Dade County approved
- Florida Building Code approved
- Texas Department of Insurance listed
- Class A Fire - ASTM E108
- CAN/CSA A123.3
- CCRR-1015



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RhinoRoof® U20

Synthetic Roofing Underlayment

RhinoRoof U20 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: 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.

USE: RhinoRoof U20 must be covered by primary roofing within 60 days of application. U20 is designed for use under; asphalt or synthetic shingles, metal in residential applications, and cedar shakes that have been primed.

APPLICATION: For slopes from 2:12 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 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. If U20 will be left exposed for up to 60 days the product must be anchored with 1" plastic or metal cap smooth or ring shank roofing nails and anchored in all locations printed on the facer. **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/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.



RhinoRoof® U20

Synthetic Roofing Underlayment

RhinoRoof U20 20 Year Limited Warranty

InterWrap Corp (the "Seller") warrants to the purchaser of these goods (the "Buyer"), the product RhinoRoof U20 synthetic roofing underlayment (hereinafter called "product") it manufactures, if installed strictly pursuant to Seller's application instructions. These instructions can be found on our website at www.interwrap.com/Rhinorooft. Warranty covers the products ability to shed water and not degrade, except as noted below, for a period of twenty (20) years from the sales invoice date or the product manufactured date printed on the product. (This is defined as the "Warranty Period"). The above warranty does not apply if: 1. any part of the product is exposed to UV after the asphalt shingle roofing material has been installed; and 2. the product has been installed and left uncovered without asphalt shingle roof material for more than 60 days. 3. the product is installed with non-specified fasteners such as staples. 4. product is used for an application outside of the recommended slope as defined in the product application instructions.

Buyer MUST give Seller written notice of any defects within 30 days from the date that the defect was discovered, along with field samples illustrating production codes, application details, and digital pictures. Seller reserves the right to reserve warranty claim judgment pending full field sample evaluation. Such notice shall be sent to Quality Control Manager, InterWrap, 1818 - 1177 West Hastings St. Vancouver BC, Canada V6E 2K3. Seller shall, at its sole option and as Buyer's sole remedy, repair or replace the product or refund the purchase price for that portion of the product that has been proven to be defective, within the written warranty conditions. Buyer shall pay all handling or transportation charges. Failure to timely give Seller notice of a defect, or unauthorized repairs or alterations, or misuse or misapplication of the product makes this warranty VOID. Instructions on how to make a warranty claim can be found on our website.

This warranty does not cover leaks or damage caused by any penetrations (including penetrations by fasteners), or by animals, vandalism, abusive conditions, inadequate or faulty structural design, structural defects, building alterations, natural forces such as tornados, hurricanes, earthquakes, other acts of nature, or any other cause beyond Seller's control. The warranties set forth herein are Seller's sole and exclusive warranties. Seller's liability on any claim of any kind for any loss or damage arising out of, in connection with, or resulting from the manufacture, sale, or resale of the product shall in no case exceed the purchase price paid for the product, prorated from the date of purchase to the date of discovery of the defect.

In no event shall Seller be liable for other damages or for special, incidental, punitive or consequential damages. Seller makes no other warranties of any kind, express or implied, including without limitation, any warranty of merchantability or fitness for a particular purpose. No part of this warranty may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the warranty. Buyer can not assign or permit any other transfer of this warranty without Seller's consent. If any of the terms contained herein are unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. The warranty shall be covered by the laws of Washington, without regard to its conflicts of laws, provisions, and exclusive jurisdiction for any dispute arising from this warranty shall be in the state or federal courts of Washington.



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INSTALLATION INSTRUCTIONS

Titanium® UDL25 is an air, water and vapor barrier (.06 perms) and therefore should be installed above a properly ventilated space(s). It is recommended to follow all building codes applicable to your geographical region and structure type.

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: UDL25 must be covered by primary roofing within 180 days of application. UDL25 is designed for use under all primary roofing types including; Metal, Shake and Shingle roofing.

APPLICATION: For slopes 4:12 and higher UDL25 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 applications (less than 4:12) it is recommended to overlap 50% plus 1", for complete definition of low slope and guidelines consult authorities having jurisdiction. UDL25 product is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tools is acceptable. The use of a straight edge cutting knife is recommended.

FASTENERS: For same day coverage with primary roofing UDL25 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 UDL25 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 Titanium UDL25 product will be exposed longer than 1 day but less than 5 days then it is recommended to anchor using corrosive resistant 3/8" head x 1" leg roofing nails (Ring shank preferred). Use of every other anchoring point in the field is acceptable. For exposure more than 5 days and up to 180 days UDL25 product must be anchored with 1" plastic or metal cap smooth or ring shank roofing nails. Miami-Dade approved tin tags and nails 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. Note: UDL25 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 fastener holes that secured the blocking after they have been removed.

DISTRIBUTED BY:



For more information about InterWrap's recycling programs go to: www.interwrap.com/recycle



TITANIUM® UDL 25

SYNTHETIC ROOFING UNDERLAYMENT

FOR USE UNDER:
METAL, SHAKE & SHINGLE ROOFING

SUPERIOR WALKABILITY!

SURE-FOOT®

Patented Sure-Foot nodular walking surface

TITANIUM®

LIFETIME

LIMITED
WARRANTY



Over
25 Million
Squares Sold!

Roofers

rely on it!

*See www.interwrap.com/LifetimeWarranty for complete coverage and restrictions

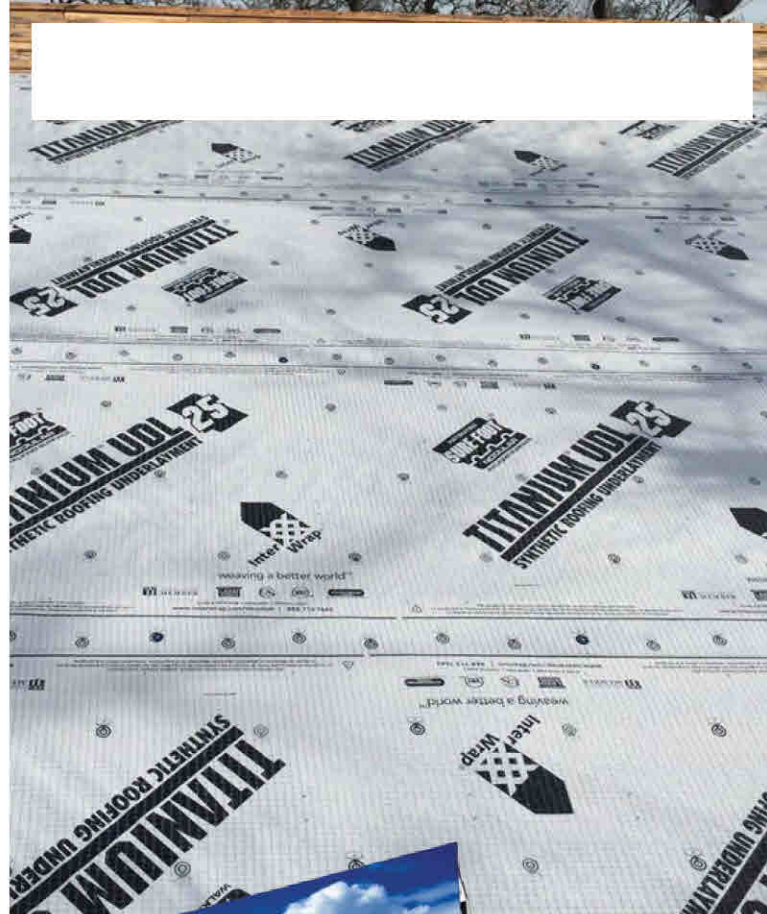
Titanium® UDL25 is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment designed for sloped roofs. UDL25 represents the future in felt replacement technology, and used in conjunction with Titanium PSU30 self-adhered underlayment, offers the sloped roofing industry a truly revolutionary system of safety, security and simplicity.

UDL25's advanced polymers combine to deliver a unique gray synthetic roofing underlayment that can be used under all types of primary roofing materials to replace #30 felt. Gray technology provides for a cooler working surface during installations and up to a 6 month UV exposure. Unlike smooth surfaced underlayments, UDL25 possesses a revolutionary patented slip resistant Sure-Foot® nodular walking surface technology that allows for easier steep slope walkability, even in wet conditions.

Gain an edge in productivity and profits; UDL25's light weight, 48" width and 250 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.

UDL25 is 100% synthetic, therefore totally unaffected by water, which means it is 100% inert to mold, lays flat and will not wrinkle. Stay on track, take on more jobs and sleep assured that your UDL25 projects will remain intact and dried-in. Unlike felts, UDL25 does not dry out, leach oils in the heat, nor does it become stiff, difficult to roll or crack in the cold.

UDL25 is 14 times stronger than #30 felt, gone are the days of blow-offs and call backs! Exceptional tear strength and up to 6 months exposure time allows your job to stay on track through all kinds of wind and weather. Less material damage and waste during installation and fewer post-install repairs result in significant savings in time and money. UDL25 will continue to protect your high cost, long life rated, primary roofing long after oil saturated felt products have turned to dust!



Turn your next roofing job into a . . .

MASSIVE BILLBOARD!

Inquire today about Dual Logo printing on Titanium UDL25 Synthetic Underlayment.

- Up to 6 months UV exposure rating
- Meets and exceeds ASTM D226 Types I & II
- ICC ES Approved
- Class A Fire ASTM E108
- CAN/CSA A220.1
- Meets Class 4 Hail Rating
- Florida Building Code Approved
- Texas Department of Insurance
- 11 times lighter and 14 times stronger than #30 felt
- Contributes to LEED® points, 100% Recyclable
- All temperature performance -40°F to 240°F
- Synthetic construction inert to mold growth
- Cool gray surface, doesn't expand or contract
- Dual logo custom printing available



TITANIUM UDL25 ROLL SPECS

LENGTH PER ROLL: 250' / 76.2 m
 WIDTH PER ROLL: 48" / 122 cm
 WEIGHT PER ROLL: 25 lbs / 11.5 kg
 ROLL SIZE: 10 sq / 93 m²
 ROLLS PER PALLET: 56
 PALLET WEIGHT: 1,450 lbs / 658 kg

TITANIUM UDL25 TECHNICAL DATA

TEST & STANDARD [†]	TITANIUM UDL25 TYPICAL VALUE	ASTM #30 FELT TYPICAL VALUE
Class A Fire ASTM E108	Pass	N/A
Nail Sealability ASTM D1970	Pass	N/A
Permeability ASTM E96	.06 perms	1.75 perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 31 lbs (14 kg) CD 27 lbs (12.5 kg)	MD 4 lbs (1.8 kg) CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751	MD 135 lbs (61 kg) CD 100 lbs (45.5 kg)	MD 70 lbs (32 kg) CD 38 lbs (17 kg)
Burst Strength ASTM D751	220 psi (1517 kPa)	62 psi (430 kPa)
Elongation ASTM D751	MD 17% CD 20%	MD 2% CD 2%
Weight per Square ASTM D5261	2.4 lbs (1.1 kgs)	27.5 lbs (12.5 kgs)
Minimum Thickness ASTM D1777	15 mils (0.38 mm)	60 mils (1.5 mm)

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[†]Titanium brand products are manufactured in accordance with national standards which allow for non-critical variances in weights and measurements. Test data is based on an average taken over several production runs and should not be considered or interpreted as maximum or minimum values. Values are typical data and not limiting specifications. All values ± 10%.
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TITANIUM® UDL25

Synthetic Roofing Underlayment

UDL25 Installation Instructions

Titanium® UDL25 is an air, water and vapor barrier (.06 perms) and therefore should be installed above a properly ventilated space(s). It is recommended to follow all building codes applicable to your geographical region and structure type.

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: Titanium UDL25 must be covered by primary roofing within 180 days of application. UDL25 is designed for use under; asphalt and synthetic shingles, metal roofing, and cedar shakes.

APPLICATION: For slopes 2:12 and higher UDL25 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 applications it is recommended to overlap 50% plus 1", for complete definition of low slope and guidelines consult authorities having jurisdiction. UDL25 product is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tools is acceptable. The use of a straight edge cutting knife is recommended.

FASTENERS: For same day coverage with primary roofing UDL25 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:** use of staples to penetrate UDL25 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 Titanium UDL25 product will be exposed longer than 1 day but less than 5 days then it is recommended to anchor using corrosive resistant 3/8" head x 1" leg roofing nails (Ring shank preferred). For exposure more than 5 days and up to 180 days UDL25 product must be anchored with 1" plastic or metal cap smooth or ring shank roofing nails. 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. Note: UDL25 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.



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