



## Metal Building Insulation Manufacturing and Insulation Distribution

- Service Partners is a leading supplier of unfaced and laminated metal building insulation
- Our service and experience is unmatched to exceed your performance expectations by providing builders with the ultimate furnish, supply and installation solutions
- Service Partners' MBI division is a national laminator of NAIMA approved metal building insulation to a variety of vapor retarders for low rise commercial buildings

### Metal Building Insulation

- Metal Building Insulation
- Metal Building Doors
- Fi-Foil Radiant Barrier
- Fall Protection Systems
- Rigid Board Products



**Simple Saver System**-The Simple Saver System® liner is installed below the purlins to utilize the entire cavity in the placement of high R-value insulation. The vapor barrier fabric and strapping system used in the Simple Saver System® is reinforced to support multiple layers of insulation

**High R-Banding System**-When trying to achieve High R-value thermal performance, often times standard insulation application methods no longer apply. Service Partners offers a variety of patented high R-value insulation systems to meet these stringent requirements

**Elaminator Metal Roof Insulation System**-The Elaminator insulation system provides a safe and precise method to installing metal building insulation



**Sky Web II Fall Protection and Insulation Support System**-The Sky-Web-II® System is an innovative passive restraint system that protects workers from falls at the leading edge of a roof. It provides a "web" of knotted nylon mesh that is attached to the perimeter of the roof's secondary structural members. This products leads to an increase in safety and reduces injury

High R-Value  
Insulation  
Systems



Fiberglass  
Insulation  
&  
Vapor  
Barriers

Board  
&  
Concrete  
Construction  
Insulation

Doors  
Canopies  
Daylighting  
Skylights

Standard widths of 36", 48", 60" and 72" can be laminated to a large variety of Vapor Barriers and cut to fit your particular application. Non-standard fiberglass and facing widths are available upon request

**Company Website:** <http://www.service-partners.com/products/Metal-Building-Insulation.aspx>

**Tim Bichlmeier Outside Sales 501-416-2368**

**Boyce Smith-Inside Sales 501-551-5938**

Little Rock, AR Warehouse  
(800)888-5496

Locations

Memphis/Horn Lake Warehouse  
(662)-393-5450





## Metal & Post Frame Building Insulation (2500 Series)

### rFOIL™ Applications:

- Pre-Engineered Steel Buildings
- Post Frame / Pole Barns
- Agricultural Buildings
- Residential Metal Roofs
- Mini Storage
- Livestock Confinement

### rFOIL™ Benefits:

- Blocks 96% of Radiant Heat Transfer
- Prevents Interior Condensation
- Class 1 / Class A Fire-Rated (ASTM E84-09)
- Puncture and Tear-Resistant
- Unaffected by Humidity
- Will not Promote Mold and Mildew
- Safe, Non-Toxic and Non-Carcinogenic
- Easy to Handle and Install
- Various Tab Options
- UV-Resistant



rFOIL™ reflective Insulation is a single or double layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized foil and white polyethylene sheet.

rFOIL™ is specifically designed to control heat gain or loss, and prevent interior condensation, in all types of metal and metal-clad buildings.



**PATENTED**

(See website for details)

**www.rFOIL.com**

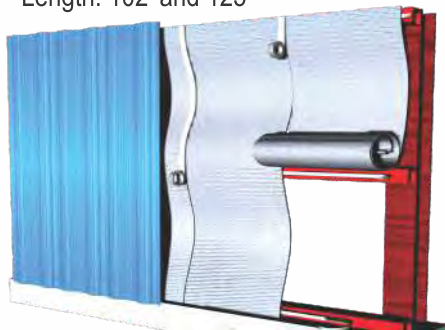
**FEATURES** **BENEFITS**

<p><b>Reflective Metalized Surface Facing</b></p>	<ul style="list-style-type: none"> <li>- Reduces Radiant Heat Gain and Loss</li> <li>- Blocks 96% of Radiant Heat Transfer</li> <li>- Saves Energy Use</li> <li>- Lowers Heating/Cooling Costs</li> <li>- Improves Interior Comfort</li> </ul>
<p><b>Multi-Layer Bubble Core</b></p>	<ul style="list-style-type: none"> <li>- Provides Continuous Thermal Break</li> <li>- Lowers Risk of Interior Surface Condensation</li> <li>- Durable and Long-Lasting</li> <li>- Superior Puncture, Tensile and Tear Strength</li> <li>- Will Not Absorb Water or Vapor</li> <li>- Does Not Harbor Moisture or Mold</li> <li>- Clean, Safe, No-Itch Material</li> </ul>
<p><b>White Interior Facing Option</b></p>	<ul style="list-style-type: none"> <li>- Brightens Building Interior</li> <li>- Attractive Appearance</li> <li>- Easy to Clean</li> </ul>
<p><b>Practical Tab/Edge Options</b></p>	<ul style="list-style-type: none"> <li>- Various Options for All Metal Building Applications</li> <li>- Simplifies Installations</li> <li>- Improves Vapor-Sealing Efforts</li> </ul>
<p><b>QuickSeam (Adhesive Tape on Tab)</b></p>	<ul style="list-style-type: none"> <li>- Saves Time and Labor</li> <li>- Ensures a Continuous Vapor and Condensation Barrier</li> <li>- Simplifies and Speeds Installation</li> </ul>

**PRODUCTS** **SPECIFICATIONS**

**AVAILABLE IN:**

- Single or Double Bubble
- Square Edge, Tab 1 Side, Tab 2 Sides, Quick Seam Adhesive Strip
- Width: 12", 16", 18", 24", 48" and 72"
- Length: 102' and 125'



Physical Properties	Test	Double Layer	Single Layer
NOMINAL THICKNESS	—	5/16"	3/16"
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A	
EMISSIVITY	ASTM C1371-04A	0.04	0.04
REFLECTIVITY	ASTM E903	0.96	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.42 Perms	0.01 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH	
PLIABILITY	ASTM C1224-03	NO CRACKING	
BLEEDING AND DELAMINATION	ASTM C1224-03	NO BLEEDING OR DELAMINATION	
CORROSIVENESS	ASTM D3310-00	PASSES	
FIRE RATING - FULL ROOM BURN TEST	NFPA 286	PASSES	

Warranty, Specific Applications and Installation Guides can be found on our Applications Manuals or at [www.rfoil.com](http://www.rfoil.com)



**rFOIL™ Approvals**

- ASTM E84-09 Fire Test
- ASTM 1224 Standard Specifications for Reflective Insulations and Building Applications



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# TITANIUM® UDL 25 PLUS

SYNTHETIC ROOFING UNDERLAYMENT

**PREMIUM  
LEAK PROTECTION**

**VALUE & PERFORMANCE**



**STRONGER LIGHTER FASTER SAFER GREENER**

# TITANIUM® UDL 25 PLUS

SYNTHETIC ROOFING UNDERLAYMENT

**AIR, WATER & VAPOR BARRIER  
FOR USE UNDER: METAL, SHAKE & SHINGLE ROOFING**

Titanium® UDL25 Plus is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment for sloped roofs. UDL25 represents the future in 30 lb felt replacement technology, and used in conjunction with PSU30 self adhered underlayment for ice damming and valley areas, offers a truly revolutionary system of safety, security and simplicity... Two products (UDL25 & PSU30) are ALL your sloped roof needs.

UDL25's advanced polymers combine to deliver a unique gray synthetic roofing underlayment that can be used under primary roofing materials to replace 30 lb felt. Gray technology provides for a cooler working surface during installations and up to a 6 month UV exposure. Unlike smooth surfaced underlayments, UDL25 has a unique ridged Sure-Grip® walking surface plus our new Diamond-Plate slip resistant coating technology that allows for easier steep slope walk-ability, even when wet.

UDL25 is 20 times stronger than 30 lb felt, gone are the days of blow-offs and call backs! A 10 square roll weighs only 31 lbs! This super low weight combined with 48" width and 250 ft. run length means big savings in time and labor (over 30% faster to install than felt!). Fewer laps, cuts and roll handling means you can do more jobs in less time. Inventory fewer rolls and gain an edge in productivity and profits.

UDL25 is 100% synthetic and therefore totally unaffected by water. This means it is 100% inert to mold, lays flat, and will not absorb water and wrinkle like felt. Roofers can leave their roof uncovered without the need for tarps or immediate dry-in. Furthermore, unlike oil saturated felt, UDL25 does not dry out, leach oils in the heat, nor does it become stiff, difficult to roll or crack in the cold.

The unique features of UDL25 combined with 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.



weaving a better world™

UDL25 will continue to protect your high cost, long life rated primary roofing long after felt has turned to dust!

Turn your next roofing job into a

# MASSIVE BILLBOARD!

Print your logo here



**DUAL LOGO**

Custom Printing Available!

- 8 times lighter and 20 times stronger than 30 lb felt
- 30 Year limited warranty (See website for warranty details)
- Class A Fire ASTM E108, Meets & exceeds ASTM D226
- Meets Class 4 Hail Rating
- Synthetic construction inert to mold growth
- Sure-Grip® ridged walking surface plus our Diamond-Plate slip resistant coating technology!
- Contributes to LEED® points
- Certified minimum of 20% reclaimed content (100% Recyclable)
- All temperature performance -40°F to 240°F (-40°C to 115°C)
- 6 month UV exposure
- Cool gray surface, doesn't expand or contract
- Dual logo custom printing available



## TITANIUM® UDL25 PLUS | SPECS

LENGTH PER ROLL:	250' / 76.2 m
WIDTH PER ROLL:	48" / 122 cm
WEIGHT PER ROLL:	31 lbs / 14 kg
ROLL SIZE:	10 sq / 93 m <sup>2</sup>
ROLLS PER PALLET:	42
PALLET WEIGHT:	1352 lbs / 613 kg

This product is manufactured in accordance with national standards which allow for non-critical variances in weights and measures.



CLASS A  
ASTM E108  
ASTM D226  
FIBERGLASS  
SHINGLES  
FBC #1468  
CAN/CSA A220.1

## TITANIUM® UDL25 PLUS | TECHNICAL DATA

TEST & STANDARD	TITANIUM UDL25 PLUS TYPICAL VALUE	ASTM #30 FELT TYPICAL VALUE
Class A Fire ASTM E108	Pass	N/A
Nail Sealability Modified ASTM D1970	Pass	N/A
Permeability ASTM E96	.06 perms	1.75 perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 40 lbs (18 kg)   CD 35 lbs (17 kg)	MD 4 lbs (1.8 kg)   CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751	MD 154 lbs (70 kg)   CD 110 lbs (50 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 18% CD 18%	MD 2% CD 2%
Weight per Square ASTM D5261	2.9 lbs ( 1.3 kgs)	27.5 lbs ( 12.5 kgs)
Minimum Thickness ASTM D1777	17 mils (0.43 mm)	60 mils (1.5 mm)

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%



**InterWrap® Roofing Products Division**  
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# TITANIUM® UDL 25 PLUS

## SYNTHETIC ROOFING UNDERLAYMENT

### INSTALLATION INSTRUCTIONS

Titanium® UDL25 is an air, water and vapor barrier. It must be installed above properly ventilated spaces (follow ALL building codes applicable to your geographical regions and structure type) as it is considered a vapor barrier (.06 perms). The use of a rosin paper slip-sheet is not required underneath metal roofing systems. Protrusions from the deck area must be removed and decks shall have no voids, damaged or unsupported areas. The use of straight edge cutting knives is recommended. UDL25 is laid out horizontally (parallel) to the eave with the printed side up, and using 4" horizontal laps and 6" vertical laps. Follow building codes for low slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications.

**FASTENERS:** If leaving UDL25 exposed longer than 5 days product must be attached to the structural roof deck material using a minimum 1" diameter plastic or metal caps with either ring shank nails (preferred) or smooth leg nails (acceptable). Miami Dade approved tin tags/metal caps acceptable with the rough edge facing up. If product is going to be covered with asphalt shingles or metal roofing panels within 5 days UDL25 can be installed with the use of corrosive resistant 3/8" head x 1" minimum length leg roofing nails (ring shank nail leg is recommended). **DO NOT USE STAPLES:** use of staples to penetrate UDL25 will void warranty.

Anchoring to be installed at a minimum as per surface markings printed on the product, spaced 6" on center in the vertical and horizontal laps, and at 12" along the center of the roll in the field. If underlayment will be covered by primary roofing within 5 days of application, and not subject to heavy traffic or high wind, then the option to use every other printed anchoring point in the center field is acceptable.

All anchoring devices must be flush, 90 degrees to the roof deck, tight with the underlayment surface and the structural roof deck. For extended exposure (months) and or high wind, double the lap widths as a minimum. Alternatively: Use a compatible sealant between the laps; use a peel and stick tape between the laps; or fold the overlay laps forming a "J" channel configuration before nailing.

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. The use of cap nails is only required to secure UDL25 and prevent blow-off until the batten system is installed. 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.

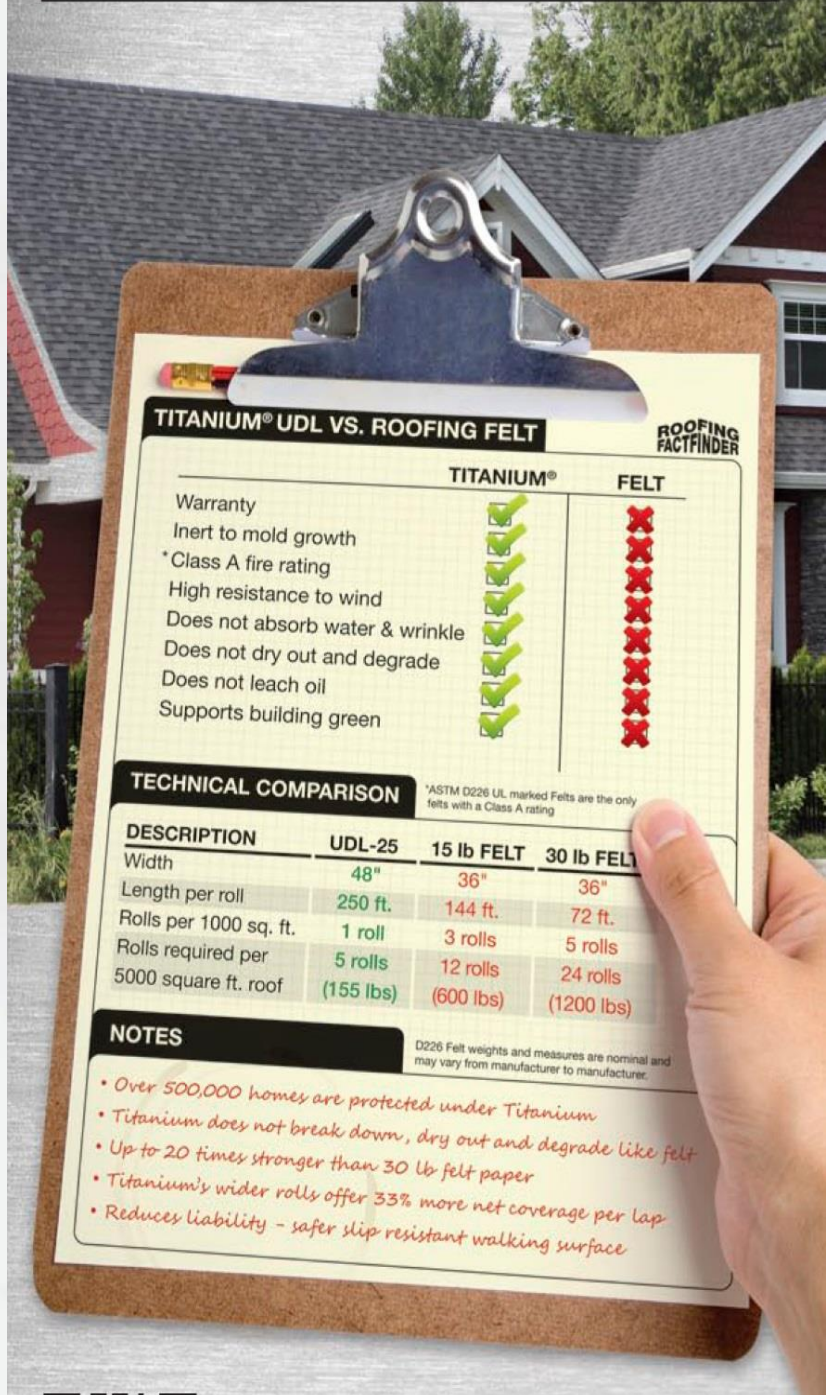
Where seams and joints require sealant or adhesive, use a high quality, low solvent asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos Free) Federal Spec SS-153 Type 1 (Asbestos Free) such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof.

UDL25 is not designed for indefinite outdoor exposure. Final roofing should be installed within 6 months.

### CAUTION - READ GOOD SAFETY PRACTICES BELOW

As with any roofing product, always follow safe roofing codes & practices (OSHA) and always use and wear fall protection devices when working on roofs. Use caution when walking or standing on UDL25 as slip resistance may vary with surface conditions, weather, footwear and roof pitch. Failure to use proper safety gear and footwear can result in serious injury.

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