ShingleLayment®

SYNTHETIC ROOFING UNDERLAYMENT

For unparalleled quality and performance switch to Grip-Rite® ShingleLayment NOW.

Grip-Rite ShingleLayment® Synthetic Underlayments are ICC listed under ICC-ES ESR #2945 for compliance with AC 188.

ShingleLayment Premium

A heavy weight woven 10 x 10 scrim polypropylene underlayment coated with a non-skid polypropylene walking surface. *ShingleLayment* Premium can be used in any code compliant mechanically attached roofing application.

- *Nearly 5 times lighter than #30 felt*
- *4.6 times more coverage than #30 felt*
- *Non-skid polypropylene walking surface*
- *25 year limited warranty*
- *Printed nail and overlap pattern*
- *Colors: Tan/tan*
- *Patented shingle print pattern US PATENT #9,982,438*

ShingleLayment 15-Pro

A woven 8 x 8 scrim polypropylene substrate coated with a non-skid polypropylene walking surface. Back side features an EVA coated non-skid surface that provides traction on the roof deck. *ShingleLayment* can be used under any code-compliant mechanically attached roofing application.

- *Nearly 5 times lighter than #15 felt*
- *2.3 times more coverage than #15 felt*
- *Non-skid polypropylene walking surface*
- *25 year limited warranty*
- *Printed nail and overlap pattern*

ShingleLayment 15-LWE-GRE

A lightweight version of our *ShingleLayment* 15-Pro. Woven 8 x 8 scrim polypropylene substrate coated with a non-skid polypropylene walking surface. Both top and bottom surfaces are textured to provide traction underfoot and on the roof deck. *ShingleLayment* can be used under any mechanically attached roofing application.

- *Nearly 5 times lighter than #15 felt*
- *2.3 times more coverage than #15 felt*
- *Non-skid polypropylene walking surface*
- *25 year limited warranty*
- *Patented shingle print pattern on model GRE®*
- *Textured top and bottom surface for increased friction*

Features and Benefits:

- *Lighter, stronger, and more energy efficient than felt.*
- *ShingleLayment's 10 square roll size saves costly labor and reduces waste, providing your roof with a durable temporary cover and long lasting secondary water shedding protection.*
- *Made from tough woven polypropylene. These high tensile substrates resist tearing and blowoff from high wind exposure and are UV treated to 180 days.*
- *Evenly rewound, rolls out flat, and holds a chalk line.*
- *Water shedding device designed to reduce the occurrence of leaks caused by wind-driven rain, penetrating the primary roof system.*
- *Used on steep-slope roofs beneath shingles, battened tiles, metal roofing, slate, wood shake and shingle, and simulated slate/shake prepared roof coverings as an alternate to ASTM D226, Type I or II or ASTM D4869 Type IV asphalt felts.*

Application Guidelines:

Grip-Rite *ShingleLayment* synthetic underlayment can be used under any mechanically attached, code compliant finished roofing surface, as an alternate to ASTM D226, Type I or II or ASTM D4869 asphalt felts. Grip-Rite ShingleLayment can be used on steep slope roofs beneath shingles, battened tiles, metal, slate, wood shake & shingle, and simulated slate/shake prepared roof coverings and applicable properties of ASTM D226 and D4869CAN CSA A123.3-05. **NOT INTENDED FOR USE AS A FINAL ROOFING SURFACE.**

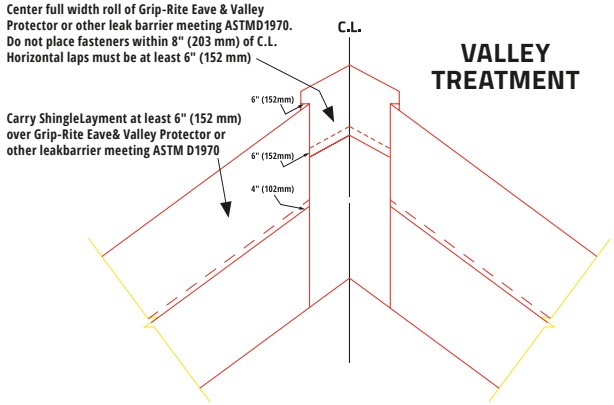
Installation Instructions:

Shingle print pattern is not intended for use as an installation grid for final roofing surface shingles. Grip-Rite *ShingleLayment* synthetic underlayment shall be installed in compliance with the codified requirements for ASTM D226, D4869 underlayment for the type of prepared roof covering to be installed.
Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application.

Unless otherwise required by the local Building Code, minimum fasteners should be corrosion resistant metal or plastic cap-nails or cap-staples with minimum 1" diameter caps. Grip-Rite® fasteners are recommended. Miami-Dade approved ring shank nails with minimum 1-5/8" diameter 'tin-tags' are acceptable. Ensure fasteners are installed at 90˚ angle to the deck with flush contact between the plastic cap and the upper surface of the underlayment. *ShingleLayment* synthetic underlayment shall be installed horizontally with the printed side up, and with 4" horizontal laps and 6" vertical laps. Horizontal laps shall be in a shingle pattern, running with the flow of water. Use of staples or any fastener without minimum 1" diameter caps will void the warranty.

Valley Treatment:

When transitioning through a valley, do not install *ShingleLayment* continuously over the valley. After installation of the Grip-Rite Eave & Valley Protector or other minimum 36" wide leak barrier membrane, roll each course of *ShingleLayment* to the edge of the leak barrier membrane, overlapping the edge minimum 6". Fasteners shall be not closer than 8" from the valley centerline.



Safety Precautions & Limitations:

Depending on roof pitch and surface conditions (wet, dusty, frost), the coefficient of friction may change, and surface can become slippery. Use caution when walking on roof deck, and OSHA compliant fall protection.
On steep pitched roofs, roof jacks with planks should be used. *ShingleLayment* synthetic underlayment is not designed as a primary roof covering, and should not be left exposed beyond 30 days prior to installation of the final roof cover. *ShingleLayment* synthetic underlayment may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details. Attic spaces must be property ventilated in accordance with the local Building Code. Minimum roof pitch: 2:12 (9.4˚). Avoid power lines. Remove debris and waste from work surface and dispose of properly. ***Do not walk or stand on Grip-Rite ShingleLayment until it is attached to the roof deck according to installation instructions.***

Single Layer:
Roof Slope > 4:12:

Starting at the eave, fasten the eave edge 8" OC and vertical laps 8" OC, and 24" OC down the center of the roll. Continue upslope in a similar manner, maintaining minimum 4" horizontal and minimum 6" vertical laps. Fasten 8" OC at horizontal laps and 8" OC at vertical laps and 24" OC down the center of the roll. Ensure all vertical laps are staggered at least 3' apart. In high wind zones (Vasd>110 mph 3 second gust design wind speed), increase the fastening schedule to 4" OC at horizontal laps, 4" OC at vertical laps, and 24" OC down the middle of the roll in the field of the roof.

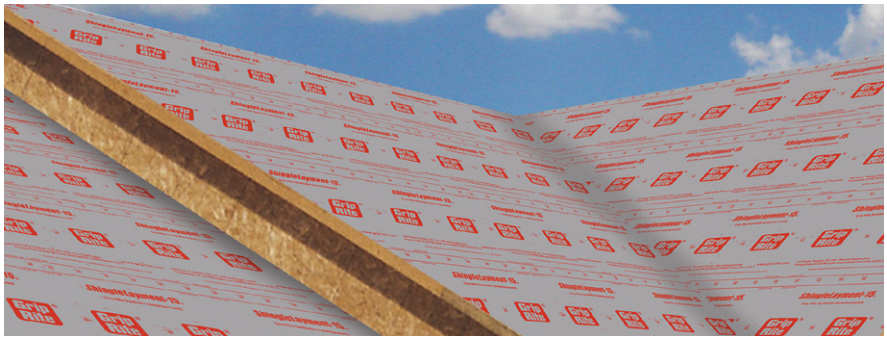
Double Layer:

2:12 < Roof Slope < 4:12:

Starting at the eave, fasten the eave-edge of a half-width starter-strip 8" OC and vertical laps 8" OC continue upslope in a similar manner, with minimum 24" horizontal laps and minimum 6" vertical laps. Fasten 8" OC along the low edge and 8" OC at vertical laps and 24" OC down the center of the roll. Ensure all vertical laps are staggered at least 3' apart. In high wind zones (Vasd>110 mph 3 second gust design wind speed), increase the fastening schedule to 4" OC at horizontal laps, 4" OC at vertical laps, and 24" OC down the middle of the roll in the field of the roof.

For Batten-Secured Roof Cover:

When battens are installed over *ShingleLayment*, the underlayment need only be preliminarily attached in advance of batten installation. Ensure preliminary underlayment attachment does not interfere with batten locations. Where seams or joints require sealant or adhesive, use only high quality, low solvent, asbestos free plastic roofing cement meeting ASTM D4586, Type I. Install a leak barrier of ASTM D1970 or approved equal at vulnerable leak areas, including but not limited to eaves, valleys, rakes, skylights and dormers. At eaves and valleys, install the leak barrier prior to installation of *ShingleLayment*. Along the rake, install *ShingleLayment* leaving 6 to 8" of the deck exposed, and then install the leak barrier over the *ShingleLayment* and exposed decking. At other areas, install the leak barrier over the *ShingleLayment*.



Grip-Rite Shinglelayment® 15-Pro

Standards and Approvals:

All models:

- *ICC AC 188 – ESR #2945*
- *ASTM D226*
- *ASTM D4869 Type IV*
- *Class A Fire Tested*
- *CAN CSA A123.3-05*
- *Miami Dade NOA #19.1218.03*
- *Florida FBC #FL12510-R2*

Precautions and Limitations:

- *Depending on roof pitch and surface conditions (wet, dusty, frost), the coefficient of friction may change, and can become slippery. Use caution.*
- *Use caution when walking on roof deck and use OSHA compliant fall protection.*
- *Do not walk or stand on ShingleLayment until it is attached to roof deck according to installation instructions.*
- *Shingle print pattern is not intended for use as an installation grid for final roofing surface shingles.*
- *ShingleLayment is not designed as a primary roof covering. Exposure beyond 30 days without final roof covering may subject the sheet to jobsite abuse, chemical exposure, and severe weather.*
- *ShingleLayment may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details.*
- *Attic spaces must be property ventilated in accordance with the local Building Code.*
- *Minimum roof pitch: 2:12 (9.4˚).*

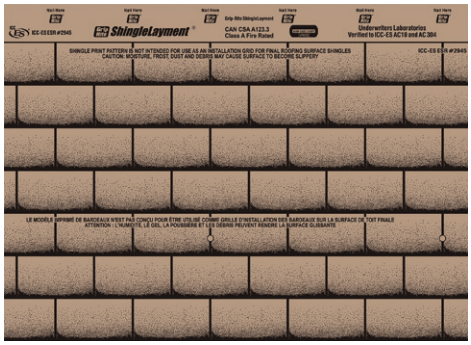
Physical Properties:

PROPERTIES	STANDARD	SHINGLELAYMENT® PREMIUM	SHINGLELAYMENT® 15-PRO	SHINGLELAYMENT® 15-LWE-GRE	ASTM D226 TYPE II	ASTM D4869 TYPE IV
Accelerated Aging	AC188	Pass	Pass	Pass	N/A	N/A
UV Exposure	AC188	Pass	Pass	Pass	N/A	N/A
Pliability	D226	Pass	Pass	Pass	N/A	N/A
Liquid Water Transmissions	ASTM D4869	Pass	Pass	Pass	N/A	N/A
Loss on Heating (%)	ASTM D228	0.4	1	0	4	6
Thickness	ASTM D3767	8.5 mils	7.0	6.5	N/A	N/A
Temperature Range	AC 188	-55˚C / -67˚F – 110˚C / 230˚F	-55˚C / -67˚F – 110˚C / 230˚F	-55˚C / -67˚F – 110˚C / 230˚F	N/A	N/A
Permeance	ASTM E96 desiccant method	0.10	0.10	0.07	N/A	N/A

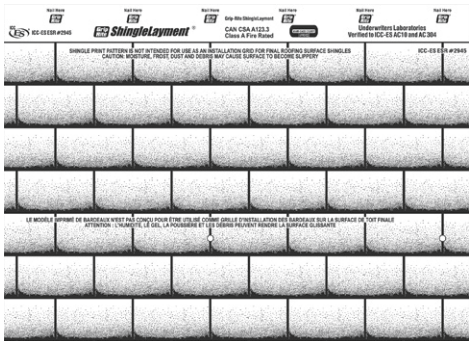
Breaking Strength:

PROPERTIES	STANDARD	SHINGLELAYMENT® PREMIUM	SHINGLELAYMENT® 15-PRO	SHINGLELAYMENT® 15-LWE-GRE	ASTM D226 TYPE II	ASTM D4869 TYPE IV
Control	ASTM D 5034	139/105	90/96	98/88	40/20	40/20

Specifications subject to change without notice.

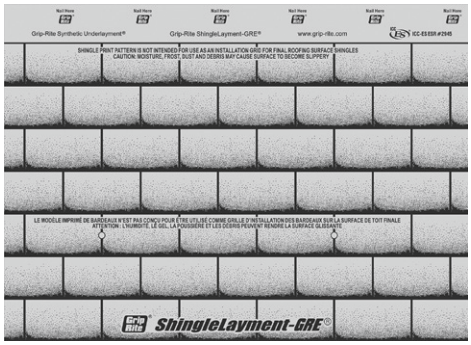


***ShingleLayment* Premium**
Patented Shingle Pattern® — Tan



***ShingleLayment* Premium**
Patented Shingle Pattern® — White

***ShingleLayment* Premium**
Installer — Tan



***ShingleLayment* 15-GRE Patented Shingle**
Pattern — Gray

***ShingleLayment* 15-LWE**
Installer — Gray

***ShingleLayment* 15-Pro**
Installer — Gray

Grip-Rite *ShingleLayment* Premium Roll Packaging

SKU	SIZE		PRINT	COLOR	WEIGHT/ROLL	PAL QTY	PAL/TRUCK	ROLLS/ TRUCKLOAD
	AREA	DIMENSIONS						
SLW154250PRI	10 SQ	4' x 250'	Installer	White	27 lb.	49	32	1,568
SLW154250PRS	10 SQ	4' x 250'	Shingle	White	27 lb.	49	32	1,568
SLT154250PRI	10 SQ	4' x 250'	Installer	Tan	27 lb.	49	32	1,568
SLT154250PRS	10 SQ	4' x 250'	Shingle	Tan	27 lb.	49	32	1,568

Grip-Rite *ShingleLayment* 15-LWE -GRE Roll Packaging

SKU	SIZE		PRINT	COLOR	WEIGHT/ROLL	PAL QTY	PAL/TRUCK	ROLLS/ TRUCKLOAD
	AREA	DIMENSIONS						
SL154250LWE	10 SQ	4' x 250'	Installer	Gray	19 lb.	72	33	2,376
SL154250GRE	10 SQ	4' x 250'	Shingle	Gray	19 lb.	72	33	2,376

Grip-Rite *ShingleLayment* 15-Pro Roll Packaging

SKU	SIZE		PRINT	COLOR	WEIGHT/ROLL	PAL QTY	PAL/TRUCK	ROLLS/ TRUCKLOAD
	AREA	DIMENSIONS						
SL154250GRP	10 SQ	4' x 250'	Installer	Gray	21 lb.	64	32	2,048

Grip Rite®
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