Introducing two new lightweight synthetic roofing underlayments, designed to replace #15 saturated asphalt felt.

Product Name:
Grip-Rite ShingleLayment-E®
Grip-Rite ShingleLayment-15®

Manufacturer:
PrimeSource Building Products, Inc.
1321 Greenway Drive, Irving, TX 75038
800-676-7777
www.primesourcebp.com
www.grip-rite.com

Product Description:
ShingleLayment-E is a lightweight version of our proven Grip-Rite ShingleLayment. Woven 8 x 7 scrim Polypropylene substrate coated on the walking surface with a non-skid TPO. ShingleLayment-E has high tensile strength to resist blow off from high wind exposure. ShingleLayment-E can be used under any mechanically attached asphalt shingle application.

ShingleLayment-15 is a woven 10 x 10 scrim polypropylene substrate coated on the walking surface with a spun bonded non-woven that provides non-skid traction. ShingleLayment-15 has high tensile strength to resist blow-off from high wind exposure. ShingleLayment-15 can be used under any mechanically attached asphalt shingle application.

Application:
Both products are designed for use on steep slope roofs beneath asphalt shingles as an alternate to ASTM D226, Type I or II or ASTM D4869 asphalt felts. Both are a water shedding device designed to reduce the occurrence of leaks caused by wind-driven rain penetrating the primary roof system coverings, as well as a temporary cover on exposed roof decks.

Features & Approvals:
Both Products
- 10 SQ coverage
- Superior tear resistance
- UV treated for 180 day exposure
- 5 times lighter than #15 felt
- Contains no asphalt
- Mold & crack resistant
- Printed nail and overlap pattern
- AC 188
- ASTM D226 (non-asphalt properties)
- ASTM D4869 (non-asphalt properties)
- ASTM E96 (non-asphalt properties)
- CAN CSA 123.3-05 (non-asphalt properties)

ShingleLayment-E
- Non skid TPO walking surface
- 10 year warranty
- Exclusive shingle print pattern

ShingleLayment-15
- Non-skid SBPP surface
- 10 year limited warranty
- Installer print pattern

The time to convert from asphalt felt is NOW, with the new Grip-Rite ShingleLayment Lightweight series of synthetic underlayments.

These new synthetics outperform felt in every way – they roll out flat, hold a chalk line, have a non-skid surface, are mold resistant, and resist tear and cracking.

ShingleLayment Lightweights™ are backed by a limited warranty – felt paper doesn’t come close.

Finish the job right with Grip-Rite Eave & Valley Protector™ and Grip-Rite Fasteners®.
Installation:
Both Grip-Rite ShingleLayment® Lightweights™ shall be installed in compliance with the codified requirements for ASTM D226, D4869 or underlayment for the type of prepared roof covering to be installed.

Instructions:
Re-fasten any loose deckung panels and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application. Corrosion-resistant fasteners shall be plastic cap nails or staples with a minimum nominal 1 in. diameter head. The use of cap staples should be limited to installations that will be covered by the final roofing system within 30-days as the membrane will be less resistive to the elements which may result in blow-off.

Grip-Rite fasteners are recommended. Ensure fasteners are installed at 90 degree angle to the deck with flush contact between the plastic cap and the upper surface of the underlayment. Where local code requires metal cap washers, Grip-Rite Tin-Caps are recommended. The use of staples or any other fastener without a 1 in. diameter cap will void the Limited Warranty.

Grip-Rite ShingleLayment Lightweights shall be installed horizontally with the printed side up, and with 4 in. horizontal laps and 6 in. vertical laps. Horizontal laps shall be in a shingle pattern, running with the flow of water.

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Single Layer: Roof Slope > 4:12:
Starting at the eave, fasten the eave edge 8 in. OC and vertical laps 8 in. OC, and 24 in. OC down the center of the roll. Continue upslope in a similar manner, maintaining minimum 4 in. horizontal and minimum 6 in. vertical laps. Fasten 8 in. OC at horizontal laps and 8 in. OC at vertical laps and 24 in. OC down the center of the roll. Ensure all vertical laps are staggered at least 3 ft. apart. In high wind zones (> 110 mph 3 second gust design wind speed), increase the fastening schedule to 4 in. OC at horizontal laps, 4 in. OC at vertical laps, and 24 in. 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 in. OC and vertical laps 8 in. OC Continue upslope in a similar manner, with minimum 24 in. horizontal laps and minimum 6 in. vertical laps. Fasten 8 in. OC along the low edge and 8 in. OC at vertical laps and 24 in. OC down the center of the roll. Ensure all vertical laps are staggered at least 3 ft. apart. In high wind zones (> 110 mph 3 second gust design wind speed), increase the fastening schedule to 4 in. OC at horizontal laps, 4 in. OC at vertical laps, and 24 in. OC down the middle of the roll in the field of the roof.

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Precautions & 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-E or ShingleLayment-15 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-E and ShingleLayment-15 are 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-E and ShingleLayment-15 may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details.
- Attic spaces must be properly ventilated in accordance with the local Building Code.
- Minimum roof pitch: 2:12 (9.4°).

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Physical Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Standard</th>
<th>ShingleLayment-15</th>
<th>ShingleLayment-E</th>
<th>ASTM D226 Type II</th>
<th>ASTM D4869 Type IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerated Aging</td>
<td>AC188</td>
<td>Pass</td>
<td>Pass</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>UV Exposure</td>
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<tr>
<td>Flexibility</td>
<td>D226</td>
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<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Liquid Water Transmissions</td>
<td>ASTM D4869</td>
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<td>Pass</td>
<td>N/A</td>
<td>Pass</td>
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<tr>
<td>Loss on Heating (%)</td>
<td>ASTM D228</td>
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<td>max 4</td>
<td>max 6</td>
</tr>
<tr>
<td>Thickness</td>
<td>ASTM D3767</td>
<td>8.70</td>
<td>5.40</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>AC 188</td>
<td>67°F – 230°F</td>
<td>70°F – 212°F</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Permeance</td>
<td>ASTM E96 desiccant method</td>
<td>0.10</td>
<td>0.07</td>
<td>—</td>
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</tr>
<tr>
<td>Breaking Strength (lb/in-width)</td>
<td>ASTM D146</td>
<td>80/89</td>
<td>73/56</td>
<td>40/20</td>
<td>40/20</td>
</tr>
</tbody>
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Specifications subject to change without notice.
Installation:
Both Grip-Rite ShingleLayment™ Lightweights™ shall be installed in compliance with the required certifications for ASTM D226, D4869 or underlayment for the type of prepared roof covering to be installed.

Instructions:
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. Corrosion-resistant fasteners shall be plastic cap nails or staples with a minimum nominal 1 in. diameter head. The use of cap staples should be limited to installations that will be covered by the final roofing system within 30-days as the membrane will be less resistive to the elements which may result in blow-off.

Grip-Rite fasteners are recommended. Ensure fasteners are installed at 90 degree angle to the deck with flush contact between the plastic cap and the upper surface of the underlayment. Where local code requires metal cap washers, Grip-Rite Tin-Caps are recommended. The use of staples or any other fastener without a 1 in. diameter cap will void the Limited Warranty.

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Single Layer; Roof Slope > 4:12:
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Double Layer; 2:12 < Roof Slope < 4:12:
Starting at the eave, fasten the eave-edge of a half-width starter-strip 8 in. OC and vertical laps 8 in. OC Continue upslope in a similar manner, with minimum 24 in. horizontal laps and minimum 6 in. vertical laps. Fasten 8 in. OC along the low edge and 8 in. OC at vertical laps and 24 in. OC down the center of the roll. Ensure all vertical laps are staggered at least 3 ft. apart. In high wind zones (> 110 mph 3 second gust design wind speed), increase the fastening schedule to 4 in. OC at horizontal laps, 4 in. OC at vertical laps, and 24 in. OC down the middle of the roll in the field of the roof.

Precautions & 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-E or ShingleLayment-15 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-E and ShingleLayment-15 are 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-E and ShingleLayment-15 may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details.
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- Exclusive shingle print pattern

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