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 anchored approximately 1” in from the edge. For low slope applications (less than 4:12) it is recommended to allow 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.

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. 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, smooth leg acceptable). The use of every other anchoring point in the field is acceptable. 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 point in the field is acceptable. DO NOT USE STAPLES: The use of staples to penetrate UDL25 will void warranty.

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 point in the field is acceptable. DO NOT USE STAPLES: The use of staples to penetrate UDL25 will void warranty.

TECHNICAL COMPARISON

<table>
<thead>
<tr>
<th>TITANIUM® UDL vs.</th>
<th>FELT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM®</td>
<td>FELT</td>
</tr>
<tr>
<td>Lifetime Warranty</td>
<td>X</td>
</tr>
<tr>
<td>Inert to mold growth</td>
<td>X</td>
</tr>
<tr>
<td>High resistance to wind</td>
<td>X</td>
</tr>
<tr>
<td>Does not absorb water &amp; wrinkle</td>
<td>X</td>
</tr>
<tr>
<td>Does not dry out &amp; degrade</td>
<td>X</td>
</tr>
<tr>
<td>Does not leach oil</td>
<td>X</td>
</tr>
<tr>
<td>Class A fire rating</td>
<td>X</td>
</tr>
<tr>
<td>Meeting class 4 hail rating</td>
<td>X</td>
</tr>
<tr>
<td>Supports building green</td>
<td>X</td>
</tr>
</tbody>
</table>

NOTES
• Over 1,000,000 homes are protected under Titanium
• Titanium does not break down, dry out and degrade like felt
• Synthetic material avoids potential chemical incompatibility between primary roofing and petroleum empregnated felt
• Storm protection - stronger waterproof membrane acts as a secondary layer of protection
• Reduces liability - safer slip resistant walking surface

DISTRIBUTED BY:

TITANIUM® UDL25
SYNTHETIC ROOFING UNDERLAYMENT
FOR USE UNDER:
ASPHALT SHINGLES, RESIDENTIAL METAL, SHAKE & COMPOSITE SHINGLES

SUPERIOR WALKABILITY!
Patented Sure-Foot nodular walking surface
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!

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!

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!