TECHNICAL DATA SHEET

Tile Flash 30XL™
Roofing Underlayment/Exposable Flashing

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td></td>
<td>Black</td>
</tr>
<tr>
<td>Thickness</td>
<td></td>
<td>30 mil</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D412</td>
<td>MD 1197 psi CD 1200 psi</td>
</tr>
<tr>
<td>Elongation</td>
<td>ASTM D412</td>
<td>MD 99% CD 104%</td>
</tr>
<tr>
<td>Nail Sealability</td>
<td>ASTM D1970</td>
<td>Pass</td>
</tr>
<tr>
<td>Cold Temperature Pliability</td>
<td>ASTM D1970</td>
<td>Pass at 0°F (-18°C)</td>
</tr>
<tr>
<td>90° Peel adhesion</td>
<td>ASTM D3330</td>
<td>Plywood 2.3 pli OSB (smooth side) 3.3 pli Overlap 18 pli</td>
</tr>
<tr>
<td>Installation Temperature</td>
<td></td>
<td>40°F to 120°F (5°C to 48°C)</td>
</tr>
<tr>
<td>In-Service Temperature</td>
<td></td>
<td>-45°F to 240°F (-42°C to 116°C)</td>
</tr>
</tbody>
</table>

PACKAGING
Roll Widths: 9", 12"
Roll Length: 50 feet per roll

DESCRIPTION
Tile Flash 30XL™ is an exposable, self-adhering, cold-applied tape used as flashing on concrete or clay hip and ridge roofing tiles.

FEATURES
- Proprietary asphalt/SBS adhesive
- Exposable, all weather
- Fully adhered system seals to the contours of the tile
- Black facer film
- Seals around properly installed fasteners
- Internal aluminum sheet for added strength and stability

USES
Used as a flashing tape on flat, low and high profile concrete or clay hip and ridge roofing tiles to block wind and rain, deck ledger boards and joist to help prevent moisture penetration around properly installed fasteners.

LIMITATIONS
Not recommended for use over or near solvent based sealants. See Technical Letter Chemical Compatibility.
Not recommended to be applied over uncured (wet) sealants or adhesives, even if compatible
Not recommended for use over or in contact with PVC or TPO type roof coverings.
Not recommended in high temperature applications to exceed 240°F (116°C).
Not recommend for use over granulated surfaces.

SHELF LIFE
Tile Flash maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.
STORAGE
Tile Flash should be stored in the original, unopened container at ambient temperatures between 40°F to 90°F (5°C to 32°C). Storage area should remain dry and out of direct sunlight. Do not remove materials from original containers until ready for use. Do not double stack pallets.

Cold Weather Storage – products should be stored in original containers in a warm dry area between 40°F to 90°F (5°C to 32°C). Product should be kept warm a minimum of 24 hours prior to and just up to installation.

PREPARATION
All surfaces shall be clean, dry and free of any foreign materials. The surface shall be free of gaps, sharp edges and protrusions.

Metal surfaces may need to be solvent wiped and/or abraded to achieve optimum adhesion.

¹ Note: If surface is DensGlass Gold®, OSB, Concrete block (CMU), masonry, fiber board sheathing, exterior gypsum, saturated felt type building wrap or cannot be cleaned to a like new surface or the surface is damp or below 45°F (7°C), primer should be used prior to the application of the membrane. Some treated lumber materials may require primer, test for adhesion prior to full application.

Protecto Wrap Company recommends field testing substrates for adhesion before full application. If adhesion to substrate is found to be marginal, then a primer shall be used to ensure optimal adhesion. Refer to: Technical Letter Primer Recommendations; Technical Letter Adhesion to Substrates.

APPLICATION
Cut TILE FLASH to desired length and peel off release liner from bottom, taking care not to allow the adhesive to come into contact with itself or any foreign matter.
Center the material on the ridge of hip board and loosely lay the tape so there is a slight sagging down into the pans of the tile.
Proceed by carefully conforming TILE FLASH to the contours of tile profile pressing and smoothing the tape to maximize contact to 100% of the tile surface.
Pressure is essential to eliminate any wrinkles or trapped air bubbles. Overlaps should be a minimum of 2 inches on side lap, and 4 inches on end lap.

For Cold Weather Applications, products should be stored in original containers in a warm dry area between 40°F to 90°F (5°C to 32°C). Product should be kept warm a minimum of 24 hours prior to and just up to installation. Protecto Wrap Company recommends testing substrates for adhesion. If adhesion to substrate is found to be marginal, then a primer shall be used to ensure optimal adhesion. Refer to: “Technical Letter Cold Weather Applications”.

* Additional methods and details can be found at www.protectowrap.com or call (800) 759-9727.

CLEAN UP
Dispose of waste in accordance to local requirements. Control worksite so that boxes and release liner do not present a hazard.
Packaging materials and release liner can be recycled.
CAUTION
Tile Flash should not come into contact with solvent based products, polysulfide’s, plasticized PVC roofing materials or high concentrations of resins (pitch).

Do not stretch Tile Flash.

Protecto Wrap Company recommends the use of safety glasses and gloves. Protecto Wrap Company recommends the use of appropriate fall protection when working above ground level.

LIMITED WARRANTY
This product is covered by the Protecto Wrap Standard 10 year Limited Warranty.