TRI-BUILT® SELF ADHERING HT UNDERLAYMENT

DESCRIPTION:

TRI-BUILT® Self Adhering HT Underlayment is a SBS modified bitumen high-temperature roofing underlayment reinforced with a superior skid resistant polyethylene surface film. The membrane is specifically designed to be self-adhered on sloped roof surfaces as secondary seal under metal, shingles, or tile.

FEATURES:

- Self-seals around nails and fasteners for lasting watertightness
- Fully adhered system prevents lateral moisture migration
- Premium skid resistant textured blue film surface
- Split-back release liner for easier handling and faster application
- Shrink-wrap packaging for better product protection during storage in various weather conditions

USES:

TRI-BUILT® Self Adhering HT Underlayment is used as a secondary waterproofing layer on sloped roofs in both residential and commercial buildings, protecting the building's interior from damages caused by water infiltration as a result of ice dams or wind-driven rain. It is designed to be adhered directly to wood, gypsum decks or certain insulation panels prior to the application of finished roof coverings such as shingles, cedar shakes, some architectural metal and tiles.

LIMITATIONS:

Not resistant to oils and solvents. Not designed for permanent exposure. Provide adequate insulation and ventilation in cold climate areas. Thin films of dust, water, frost, or ice will affect the skid resistance of this product. Do not use in contact with flexible PVC (Poly Vinyl Chloride) membranes. New dimensional lumber decks may contain knots with resin levels that can attack and severely soften the bitumen compound.

PACKAGING:

3 feet wide x 65 linear feet = 1.95 square feet per roll. 30 rolls per pallet

STORAGE:

Store rolls on end in original pallets or elevated platform. Protect from weather or store in a dry enclosed area not subject to heat over 120°F. Do not double stack pallets.

PHYSICAL PROPERTIES

Thickness (mil)	40	
Maximum Load (psi, MD/XD	700 / 950	ASTM D2523
Elongation at Break (%), MD/XD	250 / 200	ASTM D2523
Tear Resistance (lbf), MDXD	150 / 160	ASTM D624
Adhesion to Plywood at 75 °F (lbf/ft-width)	23	ASTM D1970
Nail Sealability	Pass	ASTM D1970
Low Temperature Flexibility	Pass at -20 °F	ASTM D1970
Waterproofing Integrity After Low Temperature Flexibility	Pass	ASTM D1970
Slip Resistance	Pass	ASTM D1970
Thermal Stability	Pass	ASTM D1970
Moisture Vapor Permeance (perms)	<0.1	ASTM E96
Exposure Limit	120 days	
Service Temperature	-40 °F to 250 °F	

FBC FL 16906-R1

SURFACE:

TRI-BUILT® Self Adhering HT Underlayment is designed to be adhered directly to the structural deck or to certain insulation panels such as polyisocyanurate. Acceptable substrates include plywood, OSB, wood plank, wood composition, concrete, gypsum board sheathing, glass faced gypsum sheathing, metal, and masonry.

All substrates are to be free of dust, oil, dirt, debris, and moisture. All protrusions must be removed to provide a smooth surface. On re-roofing applications, remove old shingles, nails, and other loose materials.

Priming is generally not required but is recommended over Dens Deck®, concrete or masonry substrates, or in cold weather. Prime with an appropriate primer, applied as per application and handling guidelines outlined in specific data sheets. Allow primer to dry to a tacky film. Primed surfaces not covered by membrane during the same working day must be re-primed.

NOTES:

Where furring strips or Z bars are installed immediately after installation of membrane, priming of substrate may be omitted. Optimum adhesion is achieved when ambient and surface temperature are above 40°F. For installation below 40°F contact your TRI-BUILT® representative.

APPLICATION:

Apply membrane parallel or perpendicular to slope. When applied perpendicular to slope, apply membrane beginning at low point and proceed in shingle fashion. Position sheet to achieve correct overlap and alignment. Release upper half of release film by peeling off at 90° angle, then peel back second half of lower release film. Overlap on to clear film on sides and at ends a minimum of 2.75” for all applications.

ROOF EDGE APPLICATIONS:

When membrane is folded over the roof edge, it must be covered by flashing, gutter, or metal edge. Apply membrane far enough up the roof deck to meet local codes and to prevent leaks caused by ice dam formations.

RIDGE & VALLEY APPLICATIONS:

Roll out and align manageable lengths of membrane. Slowly peel first half of release film. Press firmly in place beginning at centre of ridge or valley. Repeat with second half of release film. Overlap at ends and sides a minimum of 3”. Apply in shingle fashion on valleys.

PRECAUTIONS:

TRI-BUILT® Self Adhering HT Underlayment has a slip-resistant poly surface however there may be job site conditions of steep slope, excess water, debris or thin films of ice that will affect the slip-resistance of the product and must be avoided. In all conditions follow OSHA safety requirements.