

TRI-BUILT[®] High Temp Plus Roof Underlayment

PHYSICAL PROPERTIES

Color.....Blue	Flow @ 239°F.....5.0 lb/inch (ASTM D5147)
Thickness.....40 mils	Adhesion to Plywood.....850 N/m (ASTM D903)
Application Temperature.....40° F and above	Flexibility at -45°F.....Pass (ASTM D1970)
Elongation.....250% minimum (ASTM D412 Die C Modified) (To ultimate failure of rubberized asphalt)	Water Vapor Transmission.....0.05 perms (ASTM E96)
Tensile Strength Membrane.....600 psi minimum (ASTM D412)	

PACKAGING

Thickness.....Blue	Gross Coverage.....225 sq. feet
Roll Length.....75'	Net Coverage*.....208 sq. feet
Roll Width.....36"	
Top Surface.....Blue-Cross Laminated Polyethylene (hot melt coated)	*Based on 2.5" side and end laps
Bottom Surface.....Silizonized Kraft Paper	

DESCRIPTION

TRI-BUILT[®] High Temp Plus Roof Underlayment is a self-adhered roofing underlayment consisting of a high softening point, SBS rubberized asphalt compound, which is integrally laminated to a blue cross-laminated polyethylene film with slip-resistant coating. TRI-BUILT[®] High Temp Plus Roof Underlayment specifically designed to provide an exceptionally high temperature & performance roofing underlayment. Designed to be adhered directly to roof decks or certain insulation panels prior to the application of finished roof coverings including architectural metal, shingles or tile. Its main function is to serve as a full coverage-waterproofing layer in the composition of architectural metal roof assemblies.

FEATURES

- SBS compound with high softening point for high temp applications often found under metal
- Self-sealing when punctured by mechanical fasteners or roofing nails
- Premium slip-resistant surface
- Tough, “heel puncture” resistant film for use on fluted steel decking
- Non-granular surface eliminates concern for damage to architectural metal finish during application

LIMITATIONS

Not resistant to oils and solvents. Not designed for permanent exposure. TRI-BUILT[®] High Temp Plus Roof Underlayment is designed to withstand exposure for six weeks, however, good practice calls for the membrane to be covered as quickly as possible. TRI-BUILT[®] High Temp Plus Roof Underlayment is a vapor barrier. Provide adequate insulation and ventilation in cold climate areas. Avoid thin films of debris, water, frost or ice as these will affect the slip resistance of this product. Do not use in contact with flexible PVC (Poly Vinyl Chloride) membranes.

STORAGE

Store rolls on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 120°F.

PREPARATION

TRI-BUILT® High Temp Plus Roof Underlayment is designed to be adhered directly to the structural deck or to certain insulation panels such as polyisocyanurate. Acceptable substrates include metal decks, plywood, wood plank, wood composition, concrete, gypsum board sheathing, glass faced gypsum sheathing 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 required only on DensDeck®, oriented strand board (OSB), concrete or masonry substrates. Prime with Aquatac™ applied by garden sprayer or roller at a rate of up to 500 ft²/gal and allow to dry to a tacky film. Primed surfaces not covered by membrane during the same working day must be re-primed.

APPLICATION

Ambient and surface temperature should be above 40°F to achieve optimum adhesion. Lower temperatures cause self-adhesive layer to lose adhesive quality until warmed above 40°F.

Metal Deck Applications: Apply TRI-BUILT® High Temp Roof Underlayment beginning at low point of deck and proceed in shingle fashion. Overlap at ends and sides a minimum of 2 1/2". Run membrane parallel to the flutes of the deck with side laps positioned on the top or "crest" flute for optimum adhesion. Fasten a strip of metal over flutes to provide support for end laps. Alternately, seal end laps with POLYBITUME® 570-05 Polymer Modified Sealing Compound or Henry #925 BES Sealant.

Applications over Insulation: Apply TRI-BUILT® High Temp Plus Roof Underlayment in direction of slope or perpendicular to slope. When applied perpendicular to slope apply membrane beginning at low point of and proceed in shingle fashion. Overlap at ends and sides a minimum of 2 1/2" for all applications.

Roof Edge Applications: Roll out and align manageable lengths of TRI-BUILT® High Temp Plus Roof Underlayment with the lower roof edge, pebbled film surfaced up. Slowly peel release paper away from membrane in 2' to 3' lengths. Press firmly in place while proceeding along roof edge. Overlap at ends and sides a minimum of 2 1/2". When Blueskin® PE 200 HT is folded over the roof edge, it must be covered by flashing, gutter or metal edge. Apply TRI-BUILT® High Temp Plus Roof Underlayment far enough up the roof deck to meet local codes and to prevent leaks caused by ice dams.

Ridge & Valley Applications: Roll out and align manageable lengths of TRI-BUILT® High Temp Plus Roof Underlayment, pebbled film surface up. Slowly peel release paper or film away from TRI-BUILT® High Temp Plus Roof Underlayment in 2' to 3' lengths. Press firmly in place beginning at centre of ridge or valley. Overlap at ends and sides a minimum of 2 1/2". Apply in shingle fashion on valleys.

CAUTION

TRI-BUILT® High Temp Plus Roof Underlayment has a slip-resistant sand 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.

PROTECTION OF MEMBRANE

See limitations. Not designed for permanent exposure. Apply finish-covering materials as soon as possible following membrane application. If final roof covering does not promptly follow membrane application, secure TRI-BUILT® High Plus Temp Roof Underlayment in place with mechanical fasteners as a precaution against wind damage and uplift. Protect membrane from excessive traffic during application.

LIMITED WARRANTY

We, the manufacturer, warranty only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.