

Blueskin® Roof High Temperature Underlayment - PE 200 HT

Physical Properties

-Colour	Blue	-Flow @ 110°C (ASTM D1970)	None
-Thickness	1.0 mm (40 mils)	-Adhesion to Plywood (ASTM D903)	850 N/m
-Application Temperature	5°C and above	-Flexibility at -43°C (ASTM D1970)	Pass
-Elongation (ASTM D412 Die C Modified)	250% min. (To ultimate failure of rubberized asphalt)	-Water Vapour Transmission (ASTM E96)	2.8 ng/Pa.s.m ² (0.05 perms)
-Tensile Strength Membrane (ASTM D412)	4128 kN/m ² min. (600 psi min.)		

Packaging

-Thickness	1.0 mm (40 mils)	-Gross Coverage	18.1 m ² (195 ft ²)
-Roll Length	19.81 m (65')	-Net Coverage	16.7 m ² (179.4 ft ²)
-Roll Width	914 mm (36")		
-Top Surface	Blue-Cross Laminated Polyethylene (hot melt coated)		
-Bottom Surface	Siliconized Kraft Paper	*Based on 70 mm laps both side and end.	

Description

Blueskin® Roof High Temperature Underlayment (PE 200 HT) is a self-adhered composite membrane consisting of a high softening point, SBS rubberized asphalt compound which is integrally laminated to a blue, density cross-laminated polyethylene film with anti-slip coating. **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** is specifically designed to be self-adhered providing an exceptionally high performance roof underlayment.

Features

- SBS compound with high softening point
- Self-sealing when punctured by mechanical fasteners
- Fully adhered systems prevents lateral moisture migration
- Premium anti-skid surface for applicator safety
- Tough, "heel puncture" resistant film
- Non-granular surface eliminates concern for damage to architectural metal finish during application

Uses

Blueskin® Roof High Temperature Underlayment (PE 200 HT) is used as a self-adhered membrane 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 decks.

Limitations

Not resistant to oils and solvents. Not designed for permanent exposure. **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** is designed to withstand exposure for six weeks, however, good practice calls for the membrane to be covered as quickly as possible. **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** is a vapour barrier. 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.

Blueskin® Roof High Temperature Underlayment (PE 200 HT)

Storage

Store rolls on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 40°C or under -10°C. Double stacked pallets are not recommended. If double stacking is necessary, use a plywood sheet to distribute the load.

Preparation

Blueskin® Roof High Temperature Underlayment (PE 200 HT) 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™**, **Blueskin® Primer** or **Hi Tac™** applied as per application and handling guidelines outlined in specific data sheets. Primed surfaces not covered by membrane during the same working day must be reprimed.

Application

Ambient and surface temperature should be above 5°C to achieve optimum adhesion. Lower temperatures cause self-adhesive layer to lose adhesive quality.

Metal Deck Applications: Apply **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** beginning at low point of deck and proceed in shingle fashion. Overlap at ends and sides a minimum of 65mm (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 **HE925 BES Sealant**.

Applications over Insulation: Apply **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** 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 65mm (2 1/2") for all applications.

Roof Edge Applications: Roll out and align manageable lengths of **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** with the lower roof edge, pebbled film surfaced up. Slowly peel release paper away from membrane in 600mm (2') to 900mm (3') lengths. Press firmly in place while proceeding along roof edge. Overlap at ends and sides a minimum of 65mm (2 1/2"). When **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** is folded over the roof edge, it must be covered by flashing, gutter or metal edge. Apply **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** 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 **Blueskin® Roof High Temperature Underlayment (PE 200 HT)**, pebbled film surface up. Slowly peel release paper or film away from **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** in 600mm (2') to 900mm (3') lengths. Press firmly in place beginning at centre of ridge or valley. Overlap at ends and sides a minimum of 65mm (2 1/2"). Apply in shingle fashion on valleys.

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 **Blueskin® Roof High Temperature Underlayment (PE 200 HT)** in place with mechanical fasteners as a precaution against wind damage and uplift. Protect membrane from excessive traffic during application.

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