

Composite support panel

NOVOBASE HD 180



High-density polyisocyanurate insulation with a factory-laminated SBS underlayment membrane reinforced with a polyester core of 180 g/m².

Use the **Novobase HD 180** support panel to build a high efficiency roof.

RECOMMENDED USE

Install **Novobase HD 180** support panels fully adhered with adhesive or bitumen or fasten them mechanically for an uncompromisingly waterproof seal. They are used in the design of many high-performance roof systems on numerous commercial, industrial and institutional buildings.

The product comes in two versions, either with a film top or sand top surface adapted to the majority of modified bitumen roof systems.

APPLICATIONS

Flat roofs and metal roofs with flutes pre-filled with our Novotherm™ insulation.

DIMENSION AND PACKAGING

| Dimension | Panel thickness | Membrane thickness | Surface | Pallet | Quantity / pallet |
|------------------|-----------------|--------------------|---------------------|-----------------|-------------------|
| 914 mm x 2440 mm | 14.7 mm | 2.2 mm | 2.23 m ² | 104 cm x 244 cm | 65 |
| [36" x 96"] | 0.58" | 87 mils | 24 pi ² | 41 po x 96 po | |

Approved in assemblies that have been subjected to dynamic wind uplift resistance testing under the CSA A123.21-14 standard.

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TECHNICAL DATA

| Characteristics | Units | Meets / Exceeds | Specification | Test method | Standard limits |
|--|----------------------------------|-----------------|---------------|--------------|------------------------------|
| Reinforcement Type | – | – | – | – | Polyester |
| Tensile Strength (MD/XD) [Membrane] | kN/m (lbf/ft) | ✓ | ASTM D6164 | ASTM D5147 | 8.8/8.8 (50/50) |
| Ultimate Elongation (MD/XD) [Membrane] | % | ✓ | ASTM D6164 | ASTM D5147 | 38/38 |
| Tear Strength (MD/XD) [Membrane] | N (lbf) | ✓ | ONGC-37-56-M | ONGC-37-56-M | 20/20 (4.5/4.5) ² |
| Cold Flex [Membrane] | °C (°F) | ✓ | ASTM D6164 | ASTM D5147 | -18 (0) |
| R-Value/RSI (Initial) [Board] | RSI (Btu•hr•ft ² •°F) | 0.44 (2.5) | CAN/ULC S704 | ASTM C518 | N/A |
| Compressive Strength [Board] | kPa (psi) | 620 (90) | CAN/ULC S704 | ASTM D1621 | N/A |
| Dimensional Stability @ 70°C (MD/XD) [Board] | % | ✓ | CAN/ULC S704 | ASTM D2126 | ±2/±2 |
| Water Absorption [Board] | %Vol. | ✓ | CAN/ULC S704 | ASTM C209 | 3.5 |

² CGSB-37.56-M revision, 9th draft, dated January, 1997. The information on this sheet is based on data considered to be true and accurate based on periodic internal testing and production measurements at time of manufacture. The information is offered solely for the user's consideration, investigation and verification. Nothing contained herein constitutes or represents a warranty or guarantee for which the manufacturer can be held legally responsible.