

ShieldBase™ 180-Flex

LAMINATED COVER BOARD

STOCK# 0925023, 0925024

BOARDS PER PALLET: 65

PALLET SIZE: 104 cm x 244 cm

(41 in x 96 in)¹

BOARD LENGTH: 2.44 m (8 ft)

BOARD WIDTH: 0.914 m (3 ft)

AREA: 2.23 m² (24 ft²)

BOARD THICKNESS: 12.7 mm (0.50 in)

MEMBRANE THICKNESS: 2.2 mm (87 mils)

SELVAGE: 90 mm (3.5 in)

¹The loading and unloading at the receivers end must be done with minimum 6 ft fork extension (Note: extensions shorter than 6 ft may cause a safety issue)

Note: All reported values are nominal.



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Durable, lightweight and great for re-roofing applications, let ShieldBase 180-Flex specialty cover board go to work for your next commercial construction project.

ShieldBase 180-Flex

LAMINATED COVER BOARD

Reinforced for Extra Durability

IKO Shieldbase 180-Flex is a composite Cover Board produced with two 3' x 4' IKOTerm Covershield pieces that are factory laminated to a 180 weight polyester reinforced SBS modified bitumen base sheet. The product is available in either a film top (ShieldBase 180-Flex) or sand top surface (ShieldBase 180-Flex Sanded) to suit a variety of cap sheet installation techniques.

Dual Selvage, Easy to Install

The dual selvage self-adhering edges of the product allow easy joining of the base to the adjacent ShieldBase boards. This allows for a quick application of the roofing system's base layer. The two piece composition allows for flexibility when handling and installing the composite board.

Excellent for Re-Cover

Shieldbase 180-Flex is an excellent choice for re-cover applications, reducing the dead weight load of the roofing system. The CoverShield layer of the product is a lightweight and rigid foam insulation with high thermal properties, offering outstanding insulation protection and an R-Value of 2.5.

Product Benefits

Flexibility allows for ease of handling by a single installer. Brief foldability allows for maneuvering in tight spaces. Board flexibility allows for ease of installation with adhesive or asphalt as you can lay in one half of the board at a time.



- STRONG BUT LIGHTWEIGHT
- DUAL SELVAGE

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LAMINATED COVER BOARD



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ShieldBase 180-Flex Laminated Cover Boards are produced according to the requirements of CSA A123.23 Type B, Grade 3. Product has been approved for inclusion in select CSA A123.21-14 tested assemblies for wind up-lift resistance. Shieldbase 180-Flex should not be left in a folded position for extended periods of time.

Please contact your IKO Technical Representative for specific application details.

| CHARACTERISTICS | UNITS | MEETS/ EXCEEDS | SPECIFICATION | TEST METHOD | TYPICAL PERFORMANCE |
|--|--|---------------------------|---------------|-------------|------------------------|
| MEMBRANE | | | | | |
| Strain Energy, (Before and After Heat Conditioning), @ 23° C (73.4° F) MD / XD: | kN/m (lbf/in) | ✓ | CSA A123.23 | CSA A123.23 | > 5.5 (> 31) |
| Strain Energy, (Before and After Heat Conditioning), @ -18° C (0° F) MD / XD: | kN/m (lbf/in) | ✓ | CSA A123.23 | CSA A123.23 | > 3.0 (> 17) |
| Peak Load, (Before and After Heat Conditioning), @ 23° C (73.4° F) MD / XD: | kN/m (lbf/in) | ✓ | CSA A123.23 | ASTM D5147 | > 8.2 (> 46) |
| Peak Load, (Before and After Heat Conditioning), @ -18° C (0° F) MD / XD: | kN/m (lbf/in) | ✓ | CSA A123.23 | ASTM D5147 | > 9.0 (> 52) |
| Elongation at Peak Load, (Before and After Heat Conditioning), @ 23° C (73.4° F) MD / XD: | % | ✓ | CSA A123.23 | ASTM D5147 | > 27 |
| Elongation at Peak Load, (Before and After Heat Conditioning), @ -18° C (0° F) MD / XD: | % | ✓ | CSA A123.23 | ASTM D5147 | > 19 |
| Ultimate Elongation, (Before and After Heat Conditioning), @ 23° C (73.4° F) MD / XD: | % | ✓ | CSA A123.23 | ASTM D5147 | > 39 |
| Mass Per Unit Area: | g/m ² (lb/ft ²) | ✓ | CSA A123.23 | ASTM D5147 | 2600 (0.53) |
| Dimensional Stability: | % | ✓ | CSA A123.23 | ASTM D5147 | < 1.0 |
| Low Temperature Flexibility: | ° C (° F) | ✓ | CSA A123.23 | ASTM D5147 | < -18 (< 0.4) |
| Compound Stability: | ° C (° F) | ✓ | CSA A123.23 | ASTM D5147 | > 102 (> 215) |
| Resistance to Puncture: | - | ✓ | CSA A123.23 | CSA A123.23 | pass |
| R-Value/RSI (Initial) [Board]: | RSI (Btu·hr·ft ² ·° F) | 0.44 (2.5) | CAN/ULC S704 | ASTM C518 | N/A |
| BOARD | | | | | |
| Compressive Strength: | kPa (psi) | 550 to 759 (80 to 110) | CAN/ULC S704 | ASTM D1621 | 550 (80) |
| Dimensional Stability @ 70° C MD / XD: | % | ✓ | CAN/ULC S704 | ASTM D2126 | ±2/±2 |
| Water Absorption: | %Vol. | ✓ | CAN/ULC S704 | ASTM C209 | 3.5 |

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