ShieldBase™ 180

LAMINATED COVER BOARD

STOCK#

Film – 092500X, Sanded – 0925022

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)**

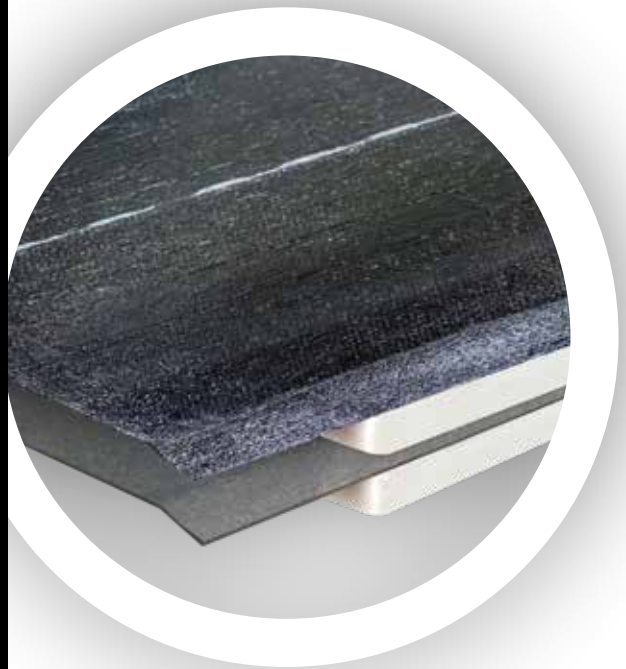
[1]The loading and unloading at the receivers end must be done with minimum 6 ft fork extension (Note: extensions shorter than 6 ft may cause a safety issue)

Note: All reported values are nominal.

- STRONG BUT LIGHTWEIGHT
- DUAL SELVAGE

IKO COMMERCIAL®

Specify *with* Confidence.



Durable, lightweight and great for re-roofing applications, let ShieldBase 180 Specialty Cover Board go to work for your next commercial construction project.

ShieldBase 180

LAMINATED COVER BOARD

Reinforced for Extra Durability

IKO ShieldBase 180 Laminated Cover Boards are a composite of IKOTherm CoverShield polyiso insulation that is factory laminated to a 180 weight polyester reinforced SBS modified bitumen base sheet. The product is available in either a film top (ShieldBase 180) or sand top surface (ShieldBase 180 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.

Excellent for Re-Cover

ShieldBase 180 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.

Versatile Application Methods

ShieldBase 180 may be applied as a mechanically fastened system, offering a fastening pattern of 18" on-centre to reduce material and labour. Additionally, it may be adhered with IKO Millennium™ Adhesive or fully adhered with hot asphalt.

 IKO.COM/COMM

ShieldBase™ 180

LAMINATED COVER BOARD

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ShieldBase 180 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.

Please contact your IKO Technical Representative for specific application details.

CHARACTERISTICS	UNITS	MEETS/ EXCEEDS	SPECIFICATION	TEST METHOD	TYPICAL PERFORMANCE
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/m² (lb/ft²)	✓	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·ft² ·°F)	0.44 (2.5)	CAN/ULC S704	ASTM C518	N/A
Compressive Strength:	kPa (psi)	550 to 759 (80 to 110)	CAN/ULC S704	ASTM D1621	min: 140 (20)
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

