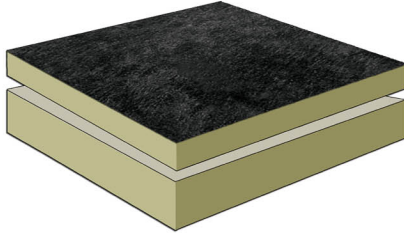


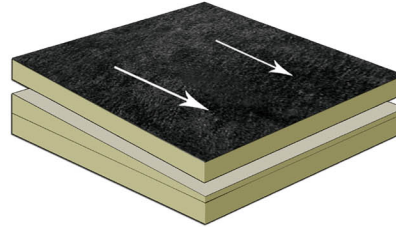
Technical Data Sheet

As per CSA A123.21
Public test report SOPI-231265-13

Protec-AB COMPOSITE GF SYSTEM (flat or tapered panels)



Available
Flat or
Tapered



Tapered product slope:
1% (1/8"), 2% (1/4"), 4%
(1/2") other slopes available
upon request

Description:

Protec-AB Composite GF System consists of a 1/8" (3.2 mm) support panel composed of two asphalt-saturated glass mat reinforcement covering a mineral-fortified asphaltic core bonded to the top of one or more closed cell, polyisocyanurate foam insulation board(s). The closed cell polyisocyanurate foam insulation board(s) is/are covered with an inorganic, glass facer.

Common Applications:

The factory-laminated Protec-AB Composite GF System is intended for cold applied, torched, *self-adhered or hot asphalt modified bitumen or built-up roof membrane systems in commercial or industrial roof applications.

Protec-AB Composite GF System must be mechanically fastened to the substrate with screws and plates or adhered with hot or cold adhesives and is available flat, tapered, butt edge or shi lap.

* panel surface requires the use of an appropriate primer for self-adhered membrane applications.

Dimensions:

4' x 4' x 1.0", 1.5", 2.0", 2.5", 3.0", 3.5", 4.0", 4.5" and 5.0" thick (1220 mm x 1220 mm x 25 mm, 38 mm, 51 mm, 64 mm, 76 mm, 89 mm, 102 mm, 114 mm and 127 mm thick). Tapered product slope: 1% (1/8"), 2% (1/4"), 4% (1/2"). Thicker panels and other slopes available upon request. (Please note that the thickness is representative of the ISO only and does not include the asphaltic board.)

Properties:

Insulating value: (Polyisocyanurate LTTR - ULC S770)

1.0" (25 mm) = R – 5.70 (RSI – 1.00)	1.5" (38 mm) = R – 8.60 (RSI – 1.51)	2.0" (51 mm) = R – 11.40 (RSI – 2.01)
2.5" (64 mm) = R – 14.40 (RSI – 2.54)	3.0" (76 mm) = R – 17.40 (RSI – 3.06)	3.5" (89 mm) = R – 20.50 (RSI – 3.61)
4.0" (102 mm) = R – 23.60 (RSI – 4.16)	4.5" (114 mm) = R – 26.70 (RSI – 4.70)	5.0" (127 mm) = R – 29.80 (RSI – 5.25)

Asphaltic Board Compressive Strength - ASTM C472 ≥ 1641 kPa (238 psi)

Polyisocyanurate Compressive Strength - ASTM D 1621 138 kPa (20 psi)

Features:

- Torch safe surface/fire resistant
- Can be used with self-adhered membranes and flameless applications
- Stability of the asphaltic board with the high performance of polyisocyanurate foam
- Factory-laminated process saves labour and adhesives on job-site.

Compliance:

- As per CSA A123.21 Public test report SOPI-231265-13
- Asphaltic Board: Puncture Resistance - ASTM E154.....500 N and Water absorption - ASTM D994.....2.5 %
- Polyiso: ASTM C 1289, Type II, Class 1, Grade 2 or Grade 3 and CAN/ULC S704, Type 2, Type 3.

Limitations:

Do not expose Protec-AB Composite GF System by ModulR TS to weather during shipment, storage or installation. At completion of day's work, seal all exposed edges. It is not intended for use as a structural roof deck. To avoid damage from construction traffic and material transportation install adequate protective boardwalks over installed roofing materials to enable passage of people and products not limited to the roofing project.

ModulR TS Inc. reserves the right to change the above specifications without prior notice.