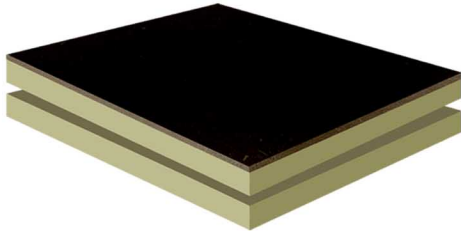
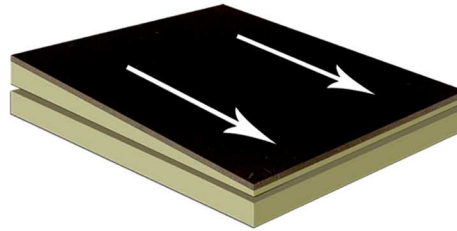


Technical Data Sheet

ProtecF COMPOSITE SYSTEM (flat or tapered panels)



Available
Flat or
Tapered



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

Description:

ProtecF Composite System consists of a 1/2" (12.7 mm) high density coated wood fiberboard bonded to the top of one or more closed cell, polyisocyanurate foam insulation board(s). The high density wood fiberboard serves as the overlay/protection board and is manufactured using wood fibers from specially prepared pulp. The closed cell polyisocyanurate foam insulation board(s) is/are covered with an with an organic, **paper facer**. ProtecF Composite System is CFC and HCFC free

Common Applications:

The factory-laminated ProtecF Composite System roof insulation panel is intended for cold applied, hot asphalt modified bitumen or built-up roof membrane systems in commercial or industrial roof applications. ProtecF Composite 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.

Dimensions:

4' x 4' x 1.5", 2.0", 2.5", 3.0", 3.5", 4.0", 4.5" and 5.0" thick (1220 mm x 1220 mm x 38 mm, 50 mm, 64 mm, 76 mm, 89 mm, 102 mm, 114 mm and 127 mm thick). Thicker sizes available upon request.

Properties:

Insulating value: {Polyisocyanurate LTTR - ASTM C 1289; Fiberboard R-value - ASTM Test C-518 or C-177 at 75°F (24°C)}

1.5" (35 mm) = R – 07.00 (RSI – 1.23)	2.0" (50 mm) = R – 10.20 (RSI – 1.80)	2.5" (64 mm) = R – 11.40 (RSI – 2.01)
3.0" (76 mm) = R – 15.60 (RSI – 2.75)	3.5" (89 mm) = R – 18.60 (RSI – 3.27)	4.0" (102 mm) = R – 21.40 (RSI – 3.77)
4.5" (114 mm) = R – 24.40 (RSI – 4.29)	5.0" (127 mm) = R – 27.40 (RSI – 4.82)	

Fiberboard density ASTM C-208-12 Type II Grade 114.0 lbs/ft³ (224 kg/m³)

Polyisocyanurate foam insulation board density ASTM D 1622 2.0 lbs/ft³ (0.032 g/cm³)

Features:

Combines hot asphalt compatible wood fiberboard with high performance of polyisocyanurate foam, reducing on-site labour and assuring quality bond between all layers.

Compliance:

- Fiberboard: ASTM C-208-12 Type II Grade 1 (Standard Specification for Cellulosic Fiber Insulating Board) CAN/ULC-S706-09 Type I & I, Class 1&2
- 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 ProtecF Composite 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.