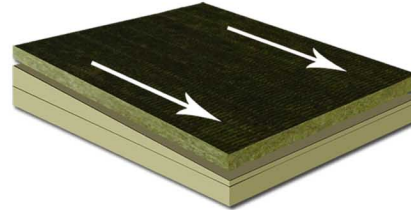


Technical Data Sheet

ProtecRSS 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:

ProtecRSS Composite System consists of a 1" (25.4 mm) high density rigid mineral wool fibre board bonded to the top of one or more closed cell, polyisocyanurate foam insulation board(s). The rigid mineral wool fibre board is manufactured from basalt rock and steel slag having a melting point of approximately 2150°F (1177°C), with a bitumen saturated and lightly sanded surface and serves as the overlay/protection board. The closed cell polyisocyanurate foam insulation board(s) is/are covered with an organic, paper facer. ProtecRSS Composite System is CFC and HCFC free

Common Applications:

The factory-laminated ProtecRSS Composite System roof insulation panel is intended for cold applied, torched or hot asphalt modified bitumen or built-up roof membrane systems in commercial or industrial roof applications. ProtecRSS 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 2.0", 2.5", 3.0", 3.5", 4.0", 4.5" and 5.0" thick (1220 mm x 1220 mm x 50 mm, 64 mm, 76 mm, 89 mm, 102 mm, 114 mm and 127 mm thick). Thicker sizes available upon request. Tapered product slope: 1% (1/8"), 2% (1/4"), 4% (1/2") or greater available upon request.

Properties:

Insulating value: {Polyisocyanurate LTTR - ASTM C 1289; Stone wool R-value - ASTM C 518 (C 177) results at 75°F (24°C)}

2.0" (50 mm) = R – 09.60 (RSI – 1.69)	2.5" (64 mm) = R – 12.60 (RSI – 2.22)	3.0" (76 mm) = R – 15.40 (RSI – 2.71)
3.5" (89 mm) = R – 18.40 (RSI – 3.24)	4.0" (102 mm) = R – 21.40 (RSI – 3.77)	4.5" (114 mm) = R – 24.50 (RSI – 4.31)
5.0" (127 mm) = R – 26.80 (RSI – 4.72)		

Mineral wool density ASTM C 303– Actual12.5 lbs/ft³ (200 kg/m³)

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

Features:

• Torch safe surface/fire resistant • Top surface made with recycled material • Good dimensional stability • Stability of mineral wool fibre with high performance of polyisocyanurate foam • Factory-laminated process saves labour and adhesives on job-site

Compliance:

• Stone wool: ASTM 726 (Thermal Insulation - Mineral Fiberboard)
• 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 ProtecRSS 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.