

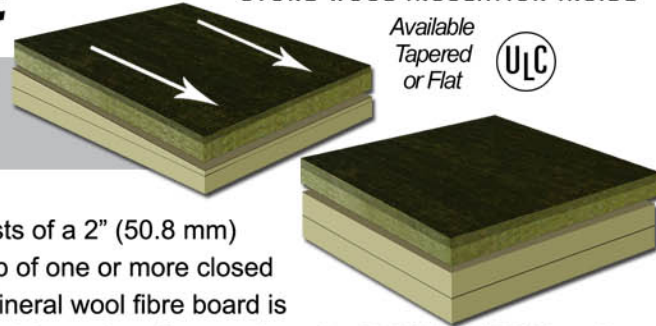
## Technical Data Sheet

### ProtecRSS-X2 COMPOSITE SYSTEM

Manufactured with ModulR TS insulation technology



Available  
Tapered  
or Flat



**ProtecRSS-X2 Composite System by ModulR TS** consists of a 2" (50.8 mm) rigid dual density 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/inorganic felt. An environmentally friendly product, the **ProtecRSS-X2 Composite System** by ModulR TS is CFC and HCFC free and is available flat, tapered, but edge or shiplap.

**Applications** The **ProtecRSS-X2 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. It must be mechanically fastened to the substrate with screws and plates, or adhered with hot or cold adhesives.

**Dimensions** 4' x 4' x 3.0", 3.5", 4.0", 4.5" and 5.0" thick (1220 mm x 1220 mm x 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:

3.0" (76 mm) = R – 13.40 (RSI – 1.71)	3.5" (89 mm) = R – 16.40 (RSI – 2.23)
4.0" (102 mm) = R – 19.40 (RSI – 2.78)	4.5" (114 mm) = R – 22.40 (RSI – 3.34)
5.0" (127 mm) = R – 25.40 (RSI – 3.91)	

Mineral wool **actual** density (ASTM C612-09)

- Top layer.....13.75 lb/ft<sup>3</sup> (220 kg/m<sup>3</sup>)
- Bottom layer.....10.0 lb/ft<sup>3</sup> (160 kg/m<sup>3</sup>)

Polyisocyanurate foam insulation board density of 2.0 lbs/cu.ft. (0.032 g/cm<sup>3</sup>)

**Features**

- Torch safe surface/fire resistant
- Good dimensional stability
- Stability of mineral fibre with high performance of polyisocyanurate foam
- Top surface made with recycled material

**Compliance** ULC Listed, Guide No. 360 O18  
CAN 2-51.31-M84, ASTM 726 (Thermal Insulation - Mineral Fibreboard) and CAN/ULC S704-01

**Limitations** Do not expose the **ProtecRSS-X2 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 during roof installation 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.