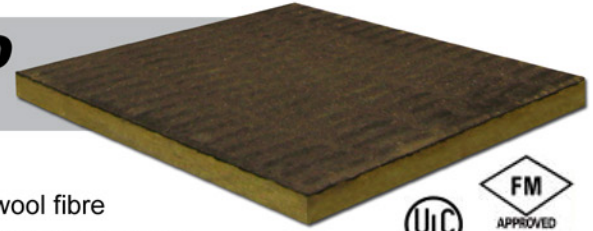


## Technical Data Sheet

Rev. Date: May 20, 2009

### ProtecRSS THERMAL BARRIER BOARD

Manufactured with ModulR TS insulation technology



**ProtecRSS as a Thermal Barrier Board** is a rigid mineral wool fibre board manufactured from basalt rock and steel slag having a melting point of approximately 2150°F (1177°C), with the top face saturated with bitumen and coated with a lightly sanded surface. An environmentally friendly product, the **ProtecRSS Thermal Barrier Board** by ModulR TS is CFC and HCFC free.

**Applications** **ProtecRSS Thermal Barrier Board** is intended for cold applied, torched or hot mopped vapor barrier systems in commercial and industrial roof applications.

**Dimensions** 4' X 4' X 1" (1220 mm X 1220 mm X 25 mm).

**Properties**

Actual density - ASTM C 612-00..... 11 lb/ft<sup>3</sup> (176 kg/m<sup>3</sup>)

Thermal resistance - ASTM C 518 (C 177) ..... R-value/inch @ 75°F 3.5 hr.ft<sup>2</sup>.F/Btu\*\*\*  
 ..... RSI value/25.4 mm @ 24°C 0.62 m<sup>2</sup>K/W

Compressive Strength @ 10% - ASTM C165..... 14 psi (99 kPa)

Dimensional stability - ASTM C356..... Linear Shrinkage 0.01%@ 350°F (177°C)

Moisture resistance - ASTM C209..... Water Absorption <1.0%

Acoustical performance - ASTM C423 (co-efficients at frequencies)

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.13	0.49	0.85	0.89	0.89	0.97	0.80

**Features**

- Stable R-value
- Torch safe surface/fire resistant
- Made from recycled material
- Excellent moisture resistance
- Eliminates hot asphalt
- Excellent dimensional stability
- Will not rot or deteriorate
- Sound absorbent
- Mold, fungi & bacteria resistant
- Non-corrosive to steel decks

**Compliance** Factory Mutual Approved, I-60 and I-90, ULC Listed, Guide No. 360 O18  
CAN 2-51.31-M84 and ASTM C726 (Thermal Insulation - Mineral Fiberboard) and CAN/ULC S704-01

**Limitations** Do not expose **ProtecRSS Thermal Barrier Board** 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.