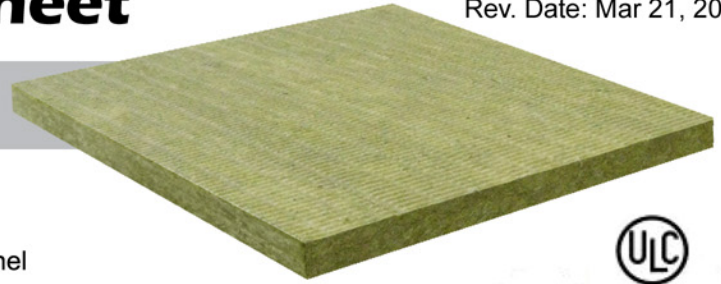


Technical Data Sheet

Rev. Date: Mar 21, 2010

Protec (flat or tapered panels)



Protec is a rigid stone wool insulation panel manufactured from basalt rock and steel slag having a melting point of approximately 2150°F (1177°C). An environmentally friendly product, **Protec** is CFC and HCFC free. This product is available flat, tapered, butt edge or shiplap.

Applications **Protec** is intended for use with standing seam metal roof systems. It is also used with mechanically attached membrane systems and may be used for insulated curbs for roof top mechanical units and rooftop duct work. Another use is to protect high performance plastic insulations from thermal cycling.

Dimensions 4' X 4' X 1" up to 6" thick (1220 mm X 1220 mm X 25 mm up to 150 mm thick). Other thicknesses and dimensions available upon request. Please contact us for details.

Properties

Actual density - ASTM C 612-09..... 11 lb/ft³ (176 kg/m³)

Thermal resistance - ASTM C 518 (C 177) R-value/inch @ 75°F 3.5 hr.ft².F/Btu***
..... RSI value/25.4 mm @ 24°C 0.62 m²K/W

Compressive Strength @ 10% - ASTM C165
• 1" board.....12.1 psi (84 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
2.0"	0.50	0.71	0.85	0.90	0.96	1.01	0.85

Features

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

Compliance 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 **Protec** 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.