



Radiant Barrier - Solid

LOW-E METALLIZED SCRIM

Technical Data Sheet

Polyethylene scrim laminated to Low E top-coated metallized PET film on both sides, for use in arid climates

Properties	Typical Value	Test
Fire Rating	Class A / Class 1	UL 723, NFPA 255, UBC 8-1
	Flame Spread Index = 0 Smoke Developed Index = 1.6	ASTM E84-24
R Value – Ceiling Application	14.4 ft ² ·h·°F/BTU 2.5 m ² ·K/W	Calculated*
R Value – Wall Application	8.1 ft ² ·h·°F/BTU 1.4 m ² ·K/W	Calculated**
Emissivity (Side 1 / Side 2)	0.04 / 0.04	ASTM C1371
Tearing Force	80.8 N (MD) 79.0 N (TD)	ASTM D2261
Bleeding and Delamination	No Bleeding or Delamination	ASTM C1313/C1313M
Pliability	No cracking or delamination	ASTM C1313/C1313M
Corrosivity	Pass	ASTM D3310
Water Vapour Transmission	< 0.01 g/h·m ²	ASTM E96
Fungi Resistance	Pass	ASTM C1338

*Based on 50 mm air gap on either side of Radiant Barrier product in ceiling.

**Based on 30 mm air gap on either side of Radiant Barrier product in wall.

R values calculations performed by Jubail Industrial College, Royal Commission for Jubail and Yanbu, Kingdom of Saudi Arabia.

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