



PolyCool - Ceiling Insulation Solution

Product description

PolyCool is a composite insulating board comprising white Vinyl Foil laminated to one side of a polystyrene sheet. PolyCool offers a durable, washable, and aesthetically pleasing insulated ceiling solution. It is cost-effective, durable, and easy to install. PolyCool boards are available in widths of 600/1200mm, thicknesses of 35/50/75/100mm and any length up to 6000mm.

A more durable alternative to PolyCool is SuperCool. Please see SuperCool product brochure for further information.



Typical applications

- Residential housing, offices, hospitals, clinics, and schools
- Agricultural - poultry-, piggery-farming, etc.
- Industrial, retail and warehouses

Benefits

- Thermal efficiency
- Ease of handling
- Ease of installation
- Retrofit to existing systems

Installation solution options

- Below truss
- Over-purlin
- Across beam

Thermal performance

Expanded Polystyrene of the Fire Retardant type is used in a standard density of 18 kg per cubic metre. Higher densities of 20 or 30 kg per cubic metre are available if required by special insulation and mechanical requirements. The thermal performance of a 18 density PolyCool board is indicated in the table below.

Board thickness (mm)	Thermal resistance R-value (m ² k/watt) - in application
35	1.27 m ² K/Watt- 35mm board (18 Density EPS)
50	1.69 m ² K/Watt- 50mm board (18 Density EPS)
75	2.40 m ² K/Watt- 75mm board (18 Density EPS)
100	3.00 m ² K/Watt- 100mm board (18 Density EPS)