

# Thermogal

**Extra Strong, Extra Rigid, Extra Effective Insulation**

Thermogal sheets combine highly effective thermal insulation with extra strength for low pitch roofing.

- Suitable for cold climates - extremely low 1.7 - 1.1 U-Value.
- Save on heating energy costs.
- Bright, transparent look, large range of colors, shades and reflective coatings.
- Covered by 10 Year Warranty for color, light transmission and impact strength.
- Best insulation performance during cold winter nights.
- Rigid sheet structure provides extra strength under wind and snow loads.
- Recommended uses: low pitch coverings, lean-to conservatories, large span structures, stadiums, closed structures with interior climate control, industrial windows

Unique inner X- brace structure provides extra-strength, rigidity and outstanding insulation. Available in different widths and colors. Ideal for low pitched roofs and for glazing in closed structures with large- span openings.



The data in this advertisement are provided in good faith and constitute general information without commitment, and no warranty is given or implied. Polycarbonate is a combustible thermoplastic that complies with various international standards, as customary in each country. Avoid exposure to excessive heat or aromatic cleaning solvents. Normal fire precautions should be taken to protect against combustion.

**Specifications:**

Sheet thickness (mm)		25	32	35	40
Structure					
Weight kg/m <sup>2</sup> (lb/ft <sup>2</sup> )		3.5 (0.30)	3.8 (0.25)	4.0 (0.24)	4.2 (0.19)
Minimum cold bending radius mm (inch)		4.37 (14.9")	5.6 (18.3")	6.1 (20")	—
U-Factor $\frac{w}{m^2 \cdot ^\circ C}$ ( $\frac{Btu}{n \cdot ft^2 \cdot ^\circ F}$ )		1.7 (0.31)	1.4 (0.25)	1.36 (0.24)	1.1 (0.19)
Light Transmission by ASTM D1494 (%)	Clear	79	73	67	71
	Ice	54	51	47	—
	Primalite	18*	15*	—	—
	Silhouette Gold	—	43	—	—
	Silhouette Pearl	—	45	—	—
	Spring	—	52	—	—

\* By ASTM D-1003



Polygal is the leading manufacturer of structured Polycarbonate panels, and is known throughout the world for the outstanding quality of its products. Polygal was the first manufacturer in the world to create structured Polycarbonate panels, and over the last 30 years has developed and produced a broad spectrum of these products, which are successfully covering a full array of structures worldwide.

