

POLYCARBONATE SHEET

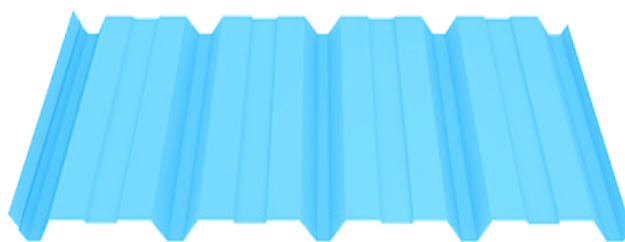
DESCRIPTION AND APPLICATIONS

Product

Translucent sheet of **compacted polycarbonate**. Exceptionally long-lasting sheet with high impact strength and protection against UV light. The impact of Ø20 mm hail at 21 m/s does not break the sheet. Available in transparent and opal white.

Applications

Natural lighting in metal roof or façade enclosures for industrial, commercial and sports installations buildings.



TECHNICAL SPECIFICATIONS

Sheets designed to integrate into metal enclosures executed using the range of profiles manufactured by Kingspan.

SHEET RANGE:

	TZ -30	TZ-32	TZ-40
Total width (mm)	1,174	1,122	1,089
Useful width (mm)	1,100	1,050	1,000
Selfweight (kg/m ²)	1.34	1.37	1.34

MATERIAL PROPERTIES:

Thickness		1.0 mm
Light transmission	Colourless	88 %
	Opal white	46 %
UV light transmission		< 2 %
Liquefaction point - vicat		145 - 150 °C
Refraction index		1.58
Deflective temperature under weight		135 - 140 °C
Thermal conductivity		5.72 W/m ² K
Temperature range of service (without weight)	Long term	-20 °C a +100 °C
	Short term	-40 °C a +130 °C
Expansion coefficient		0.067 mm/m°C (linear)
Elastic limit		> 60 MPa
Fracture limit		> 70 MPa
Reaction to fire		Euroclass B,s1,d0
Impact strength of IZOD at 23 °C		2,300 MPa

Kingspan reserves the right to modify the contents of this document without any prior warning