



Cebelio

www.cebelio.co.nz

Solar Pro

Corrugate Polycarbonate Roofing

Description

Extend your outdoor living area with Cebelio's Solar Pro Roofing. Designed to withstand harmful UV rays, rain and hailstones*, Solar Pro roofing not only looks good, it lasts.

Available in traditional Clear, Grey Tint and Bronze* Solar Pro is easy to work with and install.

Uses

- Pergolas
- Gazebos
- Carports
- Greenhouses

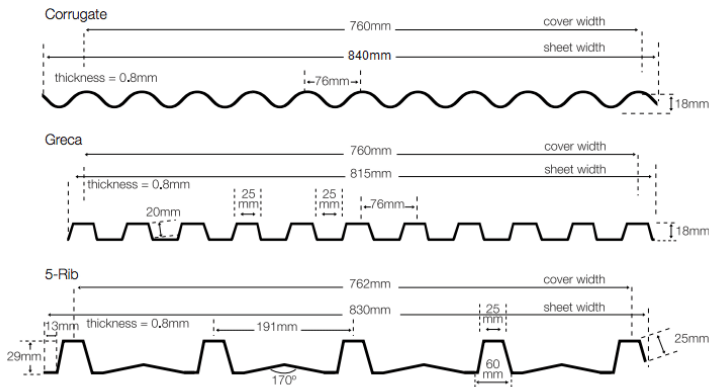
Basic info

- ✓ 99.9% UV Protection
- ✓ Easy to install
- ✓ Complies with NZBC Fire group 1-S
- ✓ 10 Year Limited Warranty
- ✓ 6 Standard Lengths
- ✓ Can be Easily cut





Polycarbonate Data



Type	Thickness	Coverage width	Lengths	Colours
Corrugated	1.2mm	755mm	1800mm 2400mm 3000mm	Grey Tint Clear Bronze *By request
5-Rib	1.2mm	760mm	3600mm 4800mm	Opal *By Request
Greca	1.2mm	762mm	5400mm 7200mm *by request	

Technical Properties

Property	Result
Weight	1.2kg/m ²
UV Performance	Excellent*
Impact Strength	Excellent*
Withstand Hail	Excellent*
Light Transmission	85%
Service Temperature	-30 to + 120°C
Expansion/Contraction	6mm/m
Minimum Recommended Pitch	5°
Fire Rating	Group 1S* (BRANZ Group 1)
Tensile Strength	65 Mpa (AS1145-1989) = 2350
Impact Strength	Exceeds 12 joules (AS 4257.6-1994) = Approx. 250x Stronger than glass
Corrugation Retention	No change for up to 2 hours at 100°C
Tensile Modulus	1mm/min (MPa) ISO527 -1;2
IZOD Notched Impact Strength	23°C KJ/M ² (b.o ISO 180-4A) = 95
Water Absorption (saturation)	Water at 23°C (%) =0.30

	Diffuse light transmission (AS 4257.4)	Shading Co-Efficient Ratio*	Solar-Heat gain Co-efficient (SHGC)	U Value	UV Transmittance
Clear	93%	1.00	0.86	7.2	>0.04
Grey Tint	19%	0.53	0.45	7.2	>0.04
Bronze	38%	0.67	0.57	7.2	>0.04
Opal	49%	0.48	0.41	7.2	>0.04

*The results of this Datasheet are just for information or comparison purposes only and should be used as a guide. This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. Cebelio Holdings LTD. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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