

# CRYSTALITE

ARCHITECTURAL GLAZING SYSTEM 



Create and enhance your outdoor entertainment area with contemporary, beautifully stylish Crystalite Glazing Panels



  
**ALSYNITE**<sup>®</sup>  
Another quality Alsynite roofing product

[www.alsynite.co.nz](http://www.alsynite.co.nz) | 0800 257 964



# The Product

Crystalite Glazing panels are an extruded acrylic sheeting [ PMMA ] product. The panels are a transparent thermoplastic and being shatter resistant the product is 250 times stronger than glass and with a density of less than half that of glass. Crystalite glazing panels have good impact strength and clear panels provide up to 92% of visible light.

# Applications

Crystalite glazing provides a contemporary stylish look to most outdoor entertaining areas. Adding value and aesthetically pleasing on the eye Crystalite is available in a range of lengths and colours to please the most discerning home owner.

# Installation

Crystalite is available from specialty plastic distributors who can supply and install the product, however Crystalite installation should also be considered by competent DIYers, as the glazing system is relatively straightforward.



With a Fifteen Year Limited Lifetime warranty, you can be sure that your Crystalite Glazing Panels will not only look good, they will also last.



## TECHNICAL INFORMATION

- Sheet Width:** Maximum 620mm
- Length:** Maximum 6m
- Thickness:** 6mm
- Colour Tints:** Clear, Bronze, Grey, Opal



# Technical Data

## GENERAL

Density	ISO1183	1.19 ( 0.0429 )	g/cm <sup>3</sup> ( lb/in <sup>3</sup> )
Water Absorption	ISO62	0.3	%

## MECHANICAL

Tensile Strength	ISO527-2	70 ( 10152 )	MPa ( psi )
Elongation at Break	ISO527-2	4	%
Tensile Modulus	ISO527-2	3000 (435097)	MPa ( psi )
Flexural Strength	ISO178	110 (15956)	MPa ( psi )
Flexural Modulus	ISO178	3000 (435097)	MPa ( psi )
Charpy Impact Strength, Notched	ISO179-1	1.8 (0.856)	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )
Izod Impact Strength, Notched	ISO180/1A	1.5 (0.713)	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )

## THERMAL

Vicat Softening Temperature, B50, Annealed	ISO306	102 ( 215 )	°C ( °F )
Heat Distortion Temperature, 1.8MPa	ISO75	92 ( 197 )	°C ( °F )
Linear Thermal Expansion	DIN53752	7	/°K x 10 <sup>-5</sup>
Continuous Service Temperature	-	70 ( 158 )	°C ( °F )
Maximum Short Term Temperature	-	80 ( 176 )	°C ( °F )
Degradation Temperature	-	>280 ( >536 )	°C ( °F )

## OPTICAL

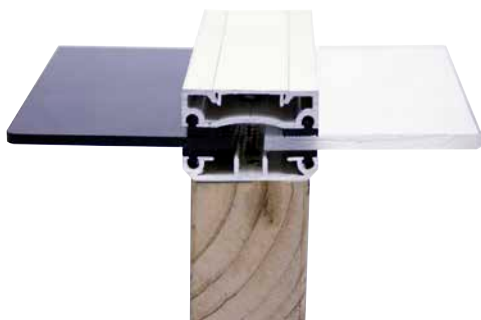
Light Transmission ( 3mm / 0.118' )	DIN5036-3	92	%
Refractive Index	DIN5036-3	1.49	-

*This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Alsynite New Zealand Ltd assumes no liability for use of information presented herein.*



# Glazing Bar System

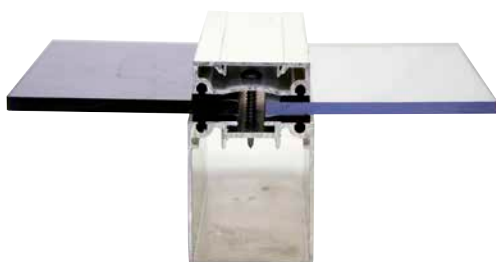
Glazing bar system available in 4m and 6m lengths.  
Each glazing bar contains base aluminium, rubber gaskets, top aluminium, aluminium cap and an end cap.



## GLAZING BAR

Glazing bars are for installing onto existing structures.  
Available in 4m and 6m lengths.

- Base Aluminium, rubber gaskets, top aluminium, aluminium cap.
- Mill finish
- Anodised finish
- Powder coated



## No 1 RAFTER

For new structures requiring rafters  
Lengths up to 3.5m

- Aluminium beam, rubber gaskets, top aluminium, aluminium cap, and an end cap
- Mill finish
- Anodised finish
- Powder coated



## No 2 RAFTER

For new structures requiring rafters  
Lengths from 4 to 6m

- Aluminium beam, rubber gaskets, top aluminium, aluminium cap, and an end cap
- Mill finish
- Anodised finish
- Powder coated

## Gutter

Available in 5m and 6m lengths

- Mill finish
- Anodised
- Powder coated

## F Channel

8mm in 6m lengths

- Mill finish
- Anodised
- Powder coated

6mm in 6m lengths

- Mill finish
- Anodised
- Powder coated

## External bracket

In 5m lengths

- Mill finish
- Anodised
- Powder coated

## Foam

- 19mm x 20mm under flashing
- 4.6m rolls

## Also Available:

- Downpipe Aluminium Adaptor 100mm for connection to PVC square to round.
- Gutter End Caps 100 x 50mm
- Gutter Joiner 200 x 100 x 50mm
- Gutter End Plate to tidy up ends of gutters
- Internal Brackets

\*Warranty Terms and Conditions Apply.

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