

# Laserlite® Industrial Polycarbonate

## Product Data Sheet

Manufactured from high-tech, high quality Bayer Makrolon® polycarbonate resin, Laserlite® Industrial Polycarbonate combines remarkable clarity with incredible strength.

High quality and superior performance, Laserlite Industrial Profiled Polycarbonate sheeting is ideal for:

- Commercial and industrial roofing.
- Cladding applications where natural lighting is required.

Laserlite Industrial Polycarbonate has been designed with very low melt and softening points, making it ideal for buildings where translucent sheeting may be required to melt out in the event of a fire – allowing trapped smoke and gasses to be expelled from the building.

The added protection of a co-extruded UV protective barrier assures Laserlite Industrial Polycarbonate sheeting will provide many years of natural lighting.

Laserlite Industrial Polycarbonate sheets are 250 times stronger than glass, exhibit exceptional resistance to impact and numerous chemicals, while providing protection of 99.9% harmful UV radiation.

### SPANNING CAPABILITIES

Maximum purlin spacings (1.2mm sheet)			
Profile	Roof end span (mm)	Roof mid span (mm)	Wall Span (mm)
5-Rib	1400	1800	1500
SupaClad	1500	2200	1500
Industrial 7	1500	2200	1500

### SPECIFICATION

The translucent roofing shall be Laserlite industrial grade polycarbonate roof sheeting as supplied by Alsynite NZ Ltd. The available colour is opal.

The sheeting shall be 1.2mm thick and manufactured to conform to the nominated roofing and cladding profile (refer to technical information).

Installation shall be carried out in accordance with the requirements of AS 1562.3:2006 or in accordance with Alsynite NZ Ltd. technical literature.

Vicat Softening Temp. 135°C AS 1462  
Process Melt Temp. 250°C WI 015  
(At 250°C the sheet would be essentially molten).

NOTE: Corrugate/Roma and IBR profiles are not available in New Zealand.

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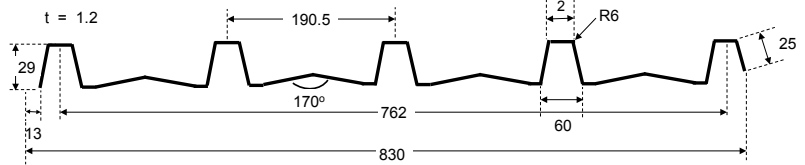
## Product Data Sheet

### Profiles Available (Maximum Sheet Length: 11.5m)

#### 5-Rib

(5 Crests)

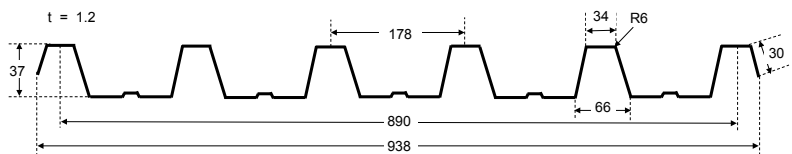
Compatible with:  
Trimrib, Plumdek, MC760,  
Trimline, Hi-Five, Trimform



#### Supaclad

(6 Crests)

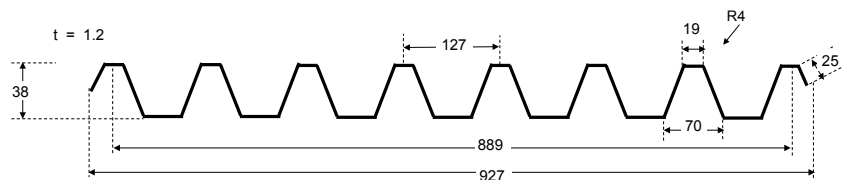
Compatible with:  
Multirib™, Metcom930, RM930



#### Industrial 7

(8 Crests)

Compatible with:  
Metcom7, RT7®, ST7, V8



#### COMPLIANCES

Impact Resistance	AS/NZS 4257.6:1994
99.9% UV Resistant	ISO 9050:2003
Heat & smoke release rates	AS NZS 3837:1998
Radiant heat test (bush fire attacks)	FEs025 C Version 2
Multi Layered Materials	NF P 92-507
Heat Radiation	NF P 92-501
Test for meltable materials	NF P 92-505
Spread for flame propagation	NF P 92-504
Durability Test	NF P 92-512
Sandbag impact test	AS/NZS 4040.4:1996
Resistance to wind pressures for non-cyclone regions	AS 4040.2:1992
SAA loading code Part 2 - wind loads	AS 1170:1999
Early fire hazard test	AS 1530.3:1999
Plastic roof and wall cladding material - polycarbonate	AS/NZS 4257.4:1994
Colourfastness and impact resistance following UV exposure	AS/NZS 4257.7:1994
Outdoor durability	AS 1745.1:1989 (withdrawn)
Dimensional properties	AS/NZS 4257.1:1994

Distributed in New Zealand by - Alsynite NZ Ltd.

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**ALSYNITE**