

# LASERLITE®

## NEW ZEALAND



extend your outdoor lifestyle



New Zealand's highest performing polycarbonate roofing




# LASERLITE® The first choice in outdoor living area enhancement and protection

All Laserlite® polycarbonate roof sheeting is manufactured using 100% Makrolon® resin and is distributed throughout New Zealand by Alsynite One. Laserlite® is manufactured to the strict Australasian quality standard requirements of AS 4256.5 2006 and is regularly assessed and certified by external testing body SAI Global.

## Designed specifically for our harsh conditions

It is a well known fact here in New Zealand we experience above what is considered normal UV exposure. Peak UV radiation levels are around 40% higher than those experienced at similar latitudes in North America. Laserlite® is engineered and built using only 100% Makrolon® Resin ensuring the following benefits:

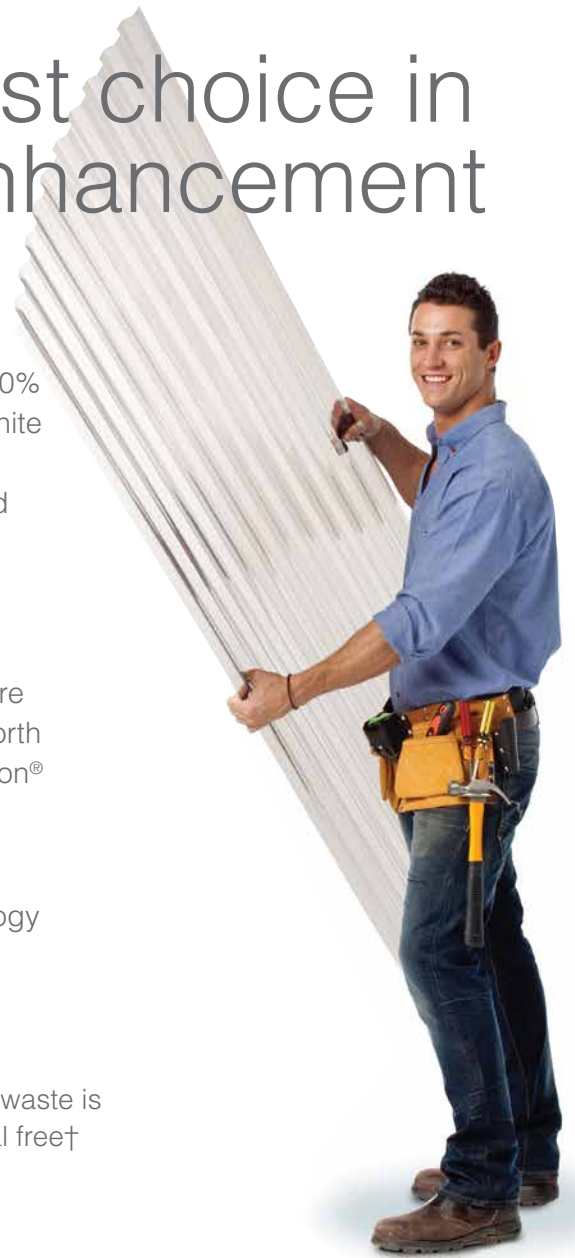
- 99.9% protection from these harmful UV rays
- Features Advanced Weatherguard™ and Comfort Cool™ technology
- Suitable for installation in high and very high wind zone areas.
- Manufactured using 100% Makrolon® resin

 Protecting the environment, Laserlite® is fully recyclable and no waste is created in the production process. Laserlite® is also heavy metal free†

^ Refer to full warranty terms & conditions available from [www.alsynite.co.nz](http://www.alsynite.co.nz)

# Refer to high wind installation instructions available from [www.alsynite.co.nz](http://www.alsynite.co.nz)

† See website for further details.



**makrolon®**  
the high-tech material



NZBC Fire Group  
1-S Rating



Laserlite® has been extensively tested using the full scale ISO 9705 room test. This extensive testing utilises a gas burner exposing the sheeting to 100kw for 10 minutes, and then 300kw for a further 10 minutes. Laserlite® achieves a NZBC 1-S Rating as flashover is not reached.



[www.alsynite.co.nz](http://www.alsynite.co.nz)



\*Laserlite is manufactured from Makrolon® resin.

## 1. SELECT PRODUCT



### Performance & Reliability

The classic, high-performance Laserlite® range

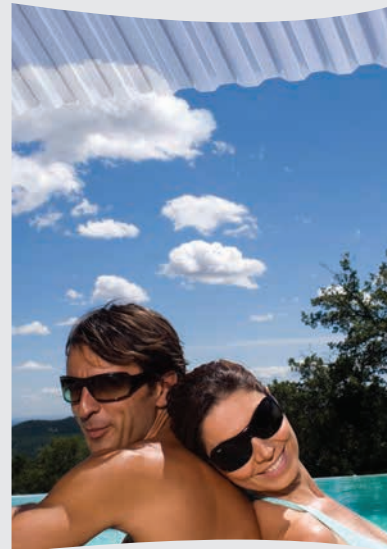
- Lifetime Platinum Warranty\*
- Certified to Australasian Standards



### Ultimate Comfort with Comfort Cool™ Technology

Technologically advanced heat reflective range for the ultimate outdoor lifestyle experience.

- Lifetime Platinum Warranty\*
- Certified to Australasian Standards



Reduces the sun's warming effect by up to approx. 70%‡



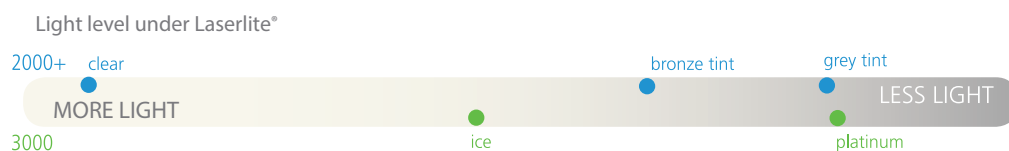
‡Based on the warming effect of the sun's rays through a sheet vs 3mm float glass (300-2500nm)

## 2. SELECT COLOUR



Light Transmission %	93%	38%	19%
Heat Reduction % ‡	0%	33%	47%

Light Transmission %	47%	18%
Heat Reduction % ‡	63%	69%

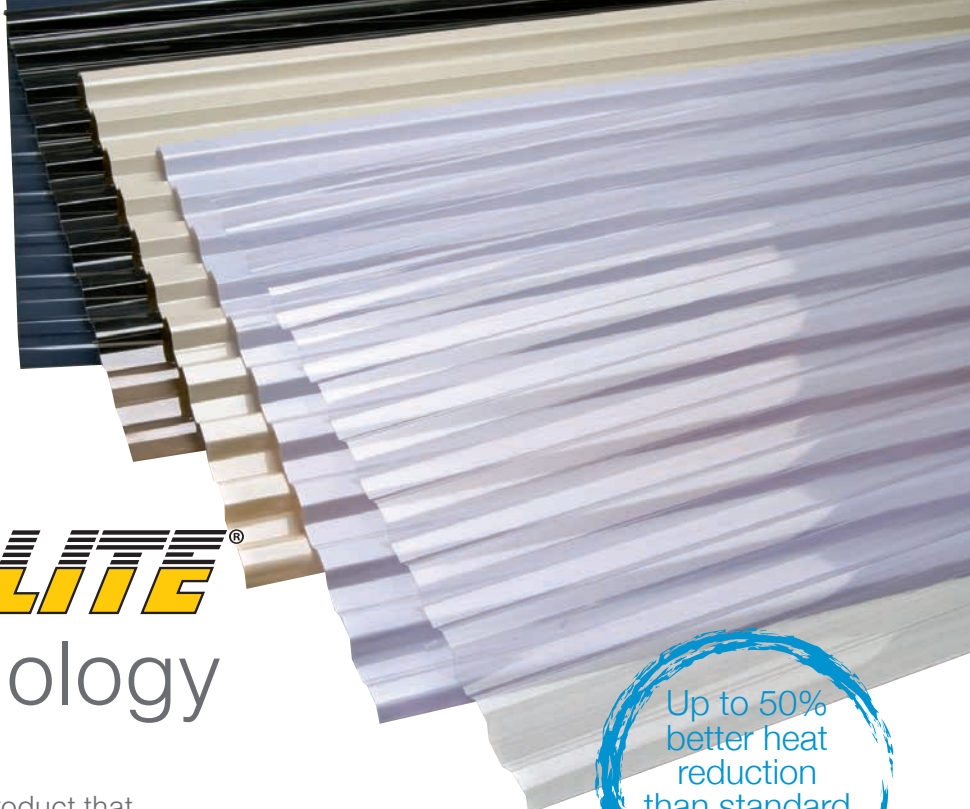


## 3. SELECT PROFILE



## 4. SELECT LENGTH

Laserlite® 2000+ and Laserlite® 3000 lengths available: 1.8m, 2.1m, 2.4m, 2.7m, 3.0m, 3.6m, 4.2m, 4.8m, 5.4m, 6.0m, 7.2m  
 Sheet Width: Corrugated 840mm, Greca 810mm, 5 - rib 830mm  
 Cover Width: Corrugated 755mm, Greca 760mm, 5 - rib 762mm



# only **LASERLITE**<sup>®</sup> has the technology

Up to 50% better heat reduction than standard corrugated sheet#

Laserlite<sup>®</sup> is the only profiled sheeting product that features **Advanced Weatherguard**<sup>™</sup> technology, a special protective material that is warranted to:

- Extend the life of the sheet by up to 50%#
- Maintain sheet colour and clarity up to 50% longer#
- Provide 99.9% protection from UV rays up to 50% longer#
- Resist 25% larger hailstones#

With unrivalled technology and superior performance, it's clear why Laserlite<sup>®</sup> is part of New Zealand's outdoor lifestyle.

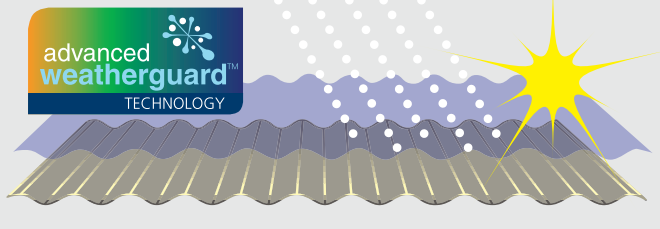
# As compared to other profiled polycarbonate roofing products such as Astrolite<sup>®</sup>

**Comfort Cool**<sup>™</sup> keeps you cool and comfortable. Laserlite 3000 is the only polycarbonate roofing product to feature Comfort Cool<sup>™</sup> technology, unique properties in the sheet that reflect the warming effect of the sun's rays to offer

- Up to 50% better heat reduction than standard profiled polycarbonate sheet#
- reduced glare for ultimate comfort

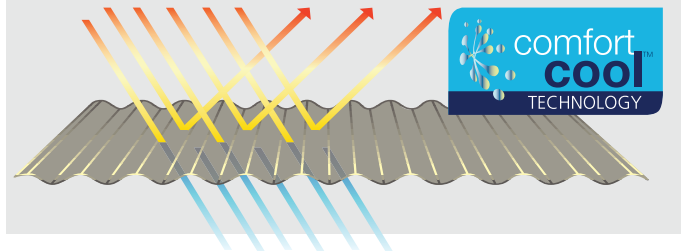
## HOW IT WORKS

UV rays, wind, hail and rain have the potential to make polycarbonate resins brittle and lose colour over time. **Advanced Weatherguard**<sup>™</sup> protects the sheet and protects from harmful UV radiation



## HOW IT WORKS

Infra red light emitted by the sun passes through polycarbonate sheet making it warm underneath. **Comfort Cool**<sup>™</sup> Technology reflects the heat away whilst letting visible light through with less glare.



## Benefits of all Laserlite<sup>®</sup> sheeting products

## Additional benefits of Laserlite<sup>®</sup> 3000



Fully tested & certified to Australasian Standards



Protects you from 99.99% of harmful UV radiation



Self extinguishing, stops the spread of flame and excellent fire resistant properties



Wind load resistant. Suitable for use in high wind areas and cyclonic conditions\*



Impact resistant to hailstones up to 25mm for a period of fifteen years.



Laserlite<sup>®</sup> can be recycled and no waste is created in the production process. Laserlite<sup>®</sup> is also heavy metal free.



Reduces glare for more comfortable outdoor living.



Advanced heat reflective properties keep you cool.



# Professional, fast & secure Polycarbonate Fastening System

*Assembled polycarbonate fixings now with premium DEKS 26mm washer*

## Alsynite One Mighty-Tite Time Saving Fixing System

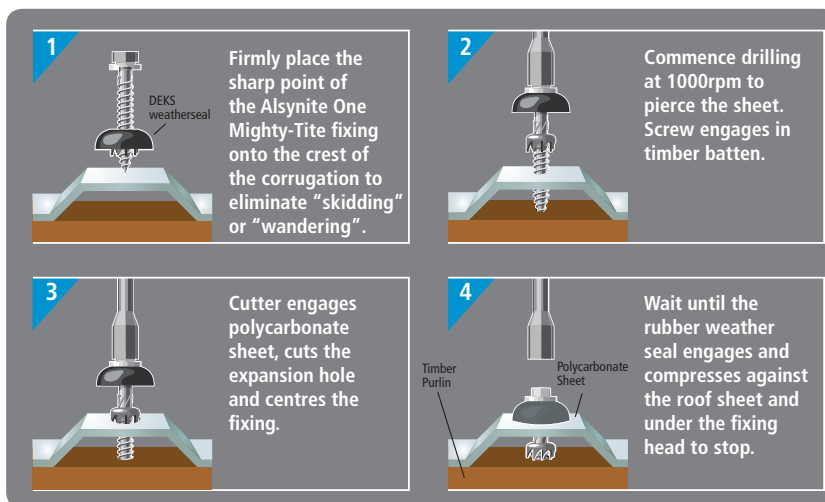
saves 50% installation time as no pre-drilling is required. The Mighty-Tite fastening system is recommended for installing your new Laserlite<sup>®</sup> in most situations, up to and including high wind zones. However, recommended fixing advice should be sought by contacting your nearest Alsynite One office for installation in very high wind zone areas.

### Easy installation

- No more pre-drilling means faster and easier installation.
- No extra expense of specialist tools.
- No extra effort changing tools.

### Professional Finish

Alsynite One Mighty-Tite Fasteners cut an expansion hole in the sheet that ensures your polycarbonate roofing is installed correctly, allowing for thermal expansion and contraction in all conditions.



### Installation of Polycarbonate Roofing with Alsynite One Mighty-Tite fixings

**NOTE:** For installation of roofs over 3m in height or for cyclonic regions, contact your nearest Alsynite One office for special instructions. Refer to installation guidelines available at [www.alsynite.co.nz](http://www.alsynite.co.nz)

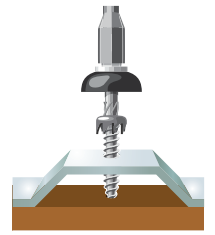
**CAUTION:** Always exercise extreme care when working on a roof. Use walking boards along purlins or battens. Never walk directly on the sheeting. Always wear safety glasses or goggles when operating cutting tools or drills.



**SAVE 50%**

**INSTALLATION TIME**

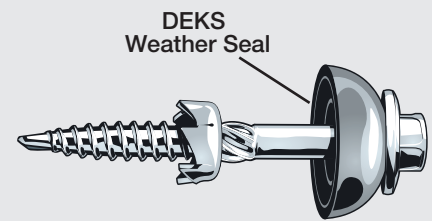
*Superdrive Tip drills through timber battens and steel purlins in one easy step.*



**Suitable for installation in high wind zones**

**One step, one tool. Easy installation with a professional finish.**

### Mighty-Tite Fixing



Length	Corrugate	Greca	Pack Sizes
55mm	•	•	50 PACK
55mm	•	•	250 TUB
55mm	•	•	1000 BOX

### Specifications

- Coated to AS3566 Class 4
- 12 gauge
- 55mm
- 26mm DEKS EPDM washer
- Superdrive<sup>®</sup> self drilling tip
- Drills through timber and steel up to 1.9mm thick
- Hex head
- Cuts an 11mm expansion hole
- Suitable for use at a drill speed of 1000 RPM

*For very high wind zones contact Alsynite One for specific installation fastening recommendations.*

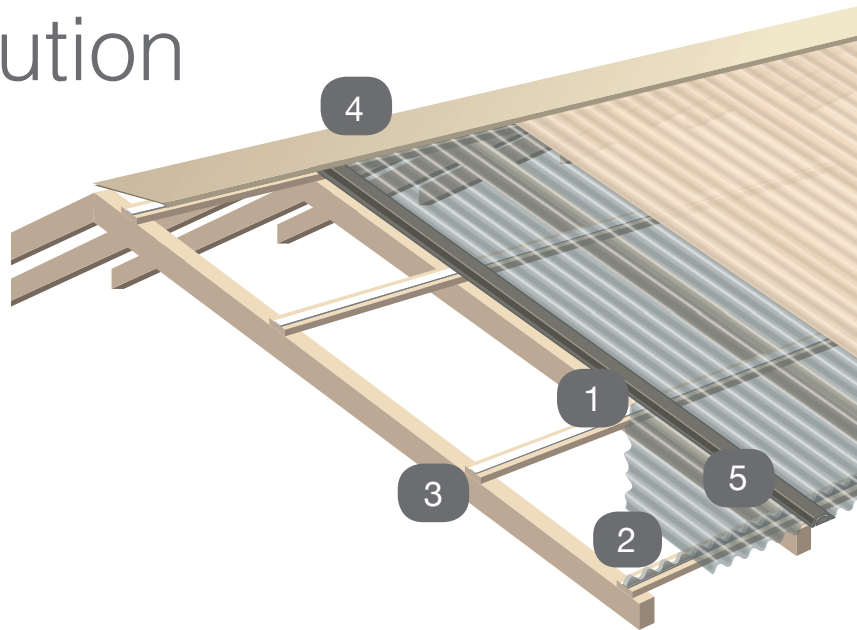
# LASERLITE®



## the complete solution for a professional finish

Easy to install, Alsynite One have an extensive range of quality accessories available to make your installation complete and ensure a professional finish.

Refer to the Laserlite installation guide prior to installation available from [www.alsynite.co.nz](http://www.alsynite.co.nz) or an Alsynite One office and ensure safety recommendations are followed at all times.



**1**  
Noise stop tape  
Reduces creaking

**2**  
Eave infill strips  
Prevents rain, dust and wind entering the eaves

**3**  
Barge capping  
Prevents wind & rain entering the gable ends

**4**  
Ridge capping  
Prevents roof leaking at apex

**5**  
Lap connectors  
Fits under and over roof sheet laps

### When installed against a wall

Back channel & infill  
Prevents leaking at walls and fascias

Apron flashing  
Prevents leaking at walls and fascias



The Mighty-Tite fastening system is recommended for installing your new Laserlite® in most situations, up to and including high wind zones.

\*specific installation instructions apply. See website for details.



Colours depicted in this brochure are representations offered only as a guide and should not form the basis of a colour selection. Slight colour variation may occur between production runs. Transmitted light and colour may vary in intensity depending on weather conditions. The information contained in this brochure is to the best of our knowledge accurate, but all recommendations are made without any warranty whatsoever, since the conditions of use are beyond our control. This brochure cancels and supersedes all previous publicised information. The company reserves the right to alter and revise, without notice, the information contained herein. ® Registered trademark of Alsynite One New Zealand Ltd. Laserlite® is a registered trademark of Mulford International

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Alsynite One Customer Service  
**Freephone 0800 257 964**

**[www.alsynite.co.nz](http://www.alsynite.co.nz)**

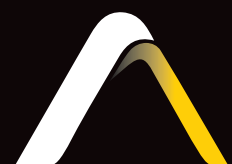
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