

Product features

• Hail Impact Resistance

Breakage will not occur as a result of hailstones measuring up to 25mm in diameter for a period of 5 years.

• Light Transmission

Lets the light in while keeping the heat out for maximum comfort.

• 99.9% UV Protection

A co-extruded UV barrier on one side of the sheet (as indicated by the sticker on the sheet) protects you from harmful UV radiation, degradation and yellowing.

• Fire Performance

Suitable for use in bush fire prone areas, backed by CSIR (Aus) appraisal. Also designed for fire resistance and to self extinguish.

• Wind Load

Suitable for use in high wind load areas and tested to wind code as/nzs 1170.2:2002.

• Chemical Resistance

Resistant to harsh chemicals and materials, including several mineral and organic acids, oxidising agents and many others.

• Weather Resistance

Stands up to extreme outdoor exposure conditions, maintaining its normal mechanical properties at temperatures from -40°C to +120°C.

• Virtually Unbreakable

100x stronger than glass (using 3mm PC vs 3mm glass)

• Guarantee

Backed by a 5 year guarantee

• Clear as Glass (clear PC obviously)

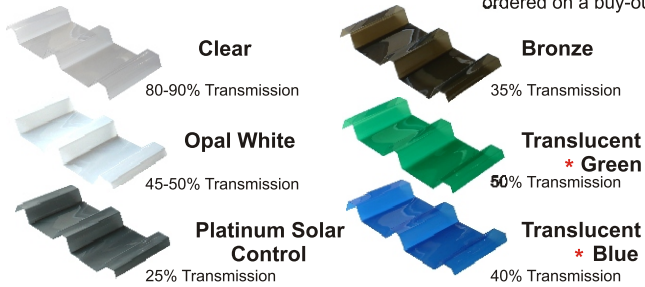
Will not yellow (see terms for coefficients)



For complete warranty and installation information contact Duroplastic at 0860 ROOFING or visit us online at www.duroplastic.com

Natralite Colours

Standard Sheet sizes are 2.4, 3.0, 3.6 (However lengths up to 11.5m can be ordered on a buy-out)

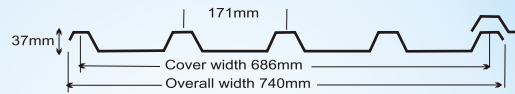


Light Transmission figures are approximate and depend on thickness and material type

*** On special order ONLY**

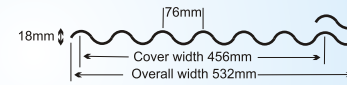
Profiles

RIB / IBR 686



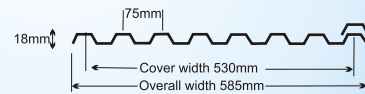
Natralite **ecorib** Polycarbonate - Clear, White, Bronze, Solar, Green, Blue

Wave / Corrugated



Natralite **ecowave** Polycarbonate - Clear, White, Bronze

Greca



Natralite **greca** Polycarbonate - Clear, White, Bronze

Duroplastic supplies other profiles in Polycarb and fibreglass. Big Six, Industrial 7, Nurib, corrugated in different widths 530 and 760 wide. Industrial thicknesses also available. Duroplastic also supplies Multiwall polycarbonate.

Technical support: 0860 ROOFING

For ideas on other products such as Garden Sheds, Carports, Garages, Patios, Greenhouses, Awnings etc. go to our website

www.duroplastic.com



EO&E Z0212

Est. 25 years

DUROplastic

Polycarbonate Translucent Profiled Sheetting

Distributors of

natralite[®]

polycarbonate translucent sheeting

Also
fibatuf[®]
fibreglass translucent sheeting
and
durofast[®]
roofing fasteners



10 year guarantee

MEMBER OF
GREEN BUILDING COUNCIL
OF SOUTH AFRICA

Polycarbonate
Harmful UV rays
Polycarbonate blocks UV rays
Approved by Cancer Associations ✓

Glass
Harmful UV rays
UV rays penetrate Glass
Declined by Cancer Associations ✗

Applications

Domestic (DIY)

- Skylights
- Canopies, awnings (Swimming pools, etc)
- Carports
- Partitions



Construction

- Industrial Factories
- Skylights
- Canopies
- Partitions
- Walkways



Agriculture

- Greenhouses
- Unique applications using light translucency with weather resistant properties



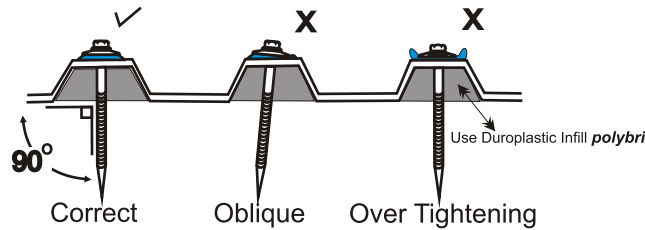
Installation Guide

This guide is to assist you when installing **Natralite** sheets.

natralite 1.4kg/m²

PROFILE	Purlin Spacing	Fixing Spacing
Corrugated	1000mm	Every Rise
IBR (Inverted Box Rib)	1200mm	Every Rise
Greca/Trimdek (Nurib)	1200mm	Every Rise
Roof end span make	less 300mm	Every Rise

Purlin: For other weights and thicknesses see detailed brochure or website
Fixing: In areas of excessive wind load increase your purlins and fix on every rise. Also use sealant tape for extra reinforcement.



Drill hole in sheet 3mm bigger than fastener, prior to fixing.

Insert on high ridge not in valley



Use Duroplastic Infill **polybrix** for better support and waterproofing

For best results use **durofast** Fasteners for steel and wood.

Profile	Corrugated/Greca		IBR / Trimdek / Ind 7	
	Timber	Steel / Metal	Timber	Steel / Metal
Medium Drilling into	Timber	Steel / Metal	Timber	Steel / Metal
Gauge	12	12	12	12
Diameter (mm)	5.4	5.4	5.4	5.4
Length (mm)	50	50	65	75
Min Shear Strength*(kN)	6.8	6.8	6.8	6.8

Timber fastener has a #17 tip shape that self drills into timber. Uses a hex 5/16" head

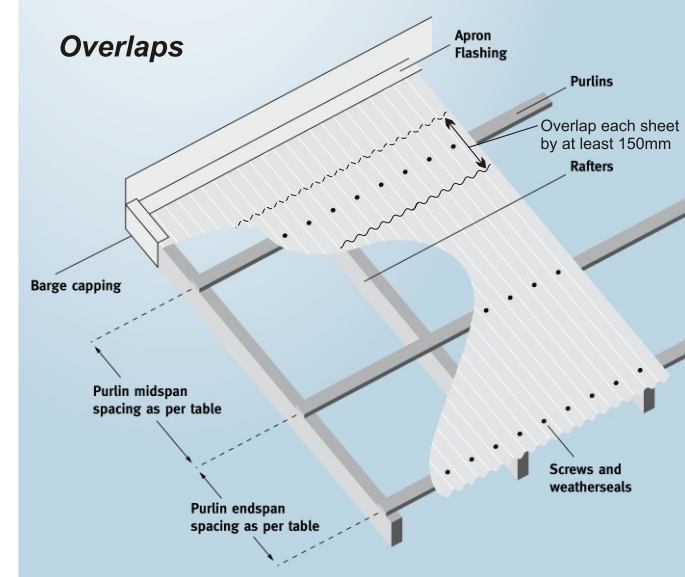


Steel fastener has a drill bit type head that self drills into steel (.58 to 4.5mm) Uses a hex 5/16" head

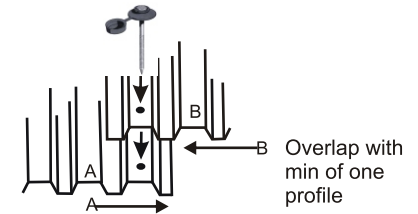


Correct class rating fasteners must be adhered to in harsh environments to ensure long lasting roofs. For complete details of using correct fasteners, contact Duroplastic at 0860 ROOFING or visit us online www.duroplastic.com

Overlaps



Apply sheets with UV coating facing upward (side with sticker on). Peel off any labels immediately after installation. Duroplastic also supply accessories such as nails / fasteners, capping, fascias, barge boards, etc.



Sheets may be cut with shears, an angle grinder or even a fine toothed saw blade will do. For roof laying start with lower sheets first, keep side laps away from wind. Allow overhang of <100mm.

Never walk on sheets, use a board placed across at least 3 rafters to spread the load. Use appropriate personal protective equipment (PPE) such as safety footwear, safety glasses and gloves. All safety practices must comply with the applicable local building and/or work cover code(s).

Handling & Storage

Store sheets on flat surface in well protected dry area. Direct sunlight could cause distortion. Remove traces of lubricant from metal sheets prior to assembly. Avoid contact with chemicals, paints, solvents and sealants (especially silicone) as many of these are incompatible with NATRALITE - test surface area first. Clean with warm water (mild detergent) and a soft sponge. Scrub down with a soft brush. Hose down thoroughly.