natralite®

polycarbonate translucent sheeting

FEATURES

99.9% UV PROTECTION
Lets the light in while being an effective barrier preventing the infiltration of harmful UV radiation.

WIND LOAD RESISTANCE
Suitable for use in high wind areas, perfect for South African weather.

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

WEATHER RESISTANCE WARRANTY
Breakage will not occur as a result of hailstones measuring up to 15mm in diameter for a period of 3 years.

SUSTAINABLE MATERIAL
NATRALITE® can be recycled and no waste is created in the production process. NATRALITE® is also heavy metal free. Duroplastic is committed to a sustainable planet.

LIGHT AND HEAT TRANSMISSION
Lets the light in while keeping the heat out for maximum comfort. 90% light transmission

CHEMICAL RESISTANCE
Polycarbonate has good resistance to many harsh chemicals including several mineral and organic acids, oxidising agents etc. (with the exception of solvents and alkalis).

COLOURS
Standard Sheets are **2.4, 3.0, 3.6** (However lengths up to **11.8m** can be ordered on a buy-out).

Clear
80-90% Transmission

Bronze
35% Transmission

Opal
45-50% Transmission

Platinum Solar Control
25% Transmission

Diffuser, Blue and Green available on demand.

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

PROFILES

IBR 686
Natralite **ecorib** Polycarbonate - Clear, White, Bronze

CORRUGATED 6.5
Natralite **ecowave** Polycarbonate - Clear,White,Bronze

CORRUGATED 10.5
Natralite **ecowave** Polycarbonate - Clear,White,Bronze

BIG 6
Natralite **greca** Polycarbonate - Clear, White, Bronze

NURIB/WIDESPAN/TRIMDEK
Natralite Polycarbonate - Clear,White

INDUSTRIAL 7
Natralite Polycarbonate - Clear,White

Duroplastic supplies a vast variety of Fibreglass profiles; such as IBR, Corrugated and Big six. Industrial thicknesses also available and it's latest product: fibatufMAX. Duroplastic also supplies Multilite® Multiwall and Durotuf® (flat) polycarbonate sheeting. Another division is the steel sheeting in IBR and Corrugated as well as our own Minirib® profile.

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

E&OE Z0815

natralite®

polycarbonate

Translucent sheeting

Also **fibatuf®** fibreglass translucent sheeting and **durofast®** roofing fasteners

reduce your carbon footprint, use natural lighting

10 YEAR GUARANTEE

MEMBER OF GREEN BUILDING COUNCIL OF SOUTH AFRICA

Est. 1986 a product of **DUROplastic**

POLYCARBONATE

- *Approved by Cancer Associations*
- Allows light transmission,
- Blocks 99.9% UV rays
- Reflects harmful UV rays

APPLICATIONS

DOMESTIC (DIY)

- Skylights
- Canopies, Awnings (Above swimming pools etc)
- Carports
- Partitions

CONSTRUCTION

- Industrial Factories
- Skylights
- Canopies
- Partitions
- Walkways

AGRICULTURE

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

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

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*	
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, flashings etc.

Overlap with min of one profile

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 spounge. Scrub down with a soft brush. Hose down thoroughly.