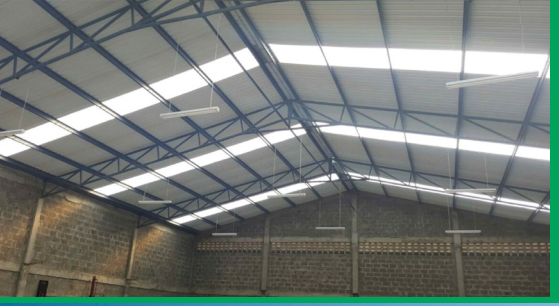
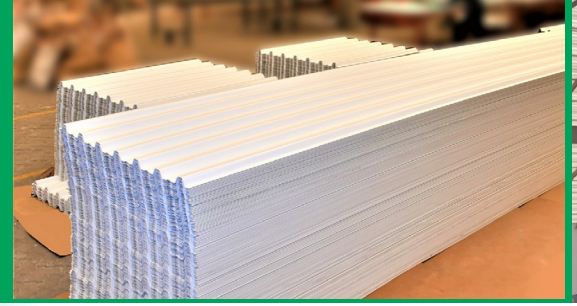




www.sairaj.com/shop

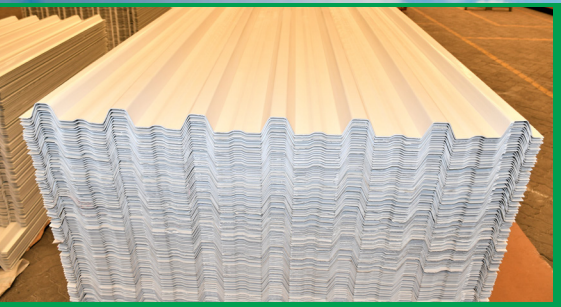
deco roof®

Proudly made in Kenya *by Sai Raj*

deco roof® uPVC sheet is an all-round durable roofing solution, combining excellent resistance to chemicals, fire and impact. It endures harsh chemical environments where other roofing materials will quickly corrode, making it ideal for roofing, siding, and cladding applications in domestic, industry, agriculture, and construction.

deco roof® is available in a variety of clear, translucent & ASA white in the engineered IT6 profile. It can be installed in Do-It-Yourself applications around the house using ordinary tools. With deco roof® , you can be assured of quality products at competitive prices, excellent after sales, and an extensive distribution network throughout the whole of Kenya.

Innovating Engineering - Renovating Life

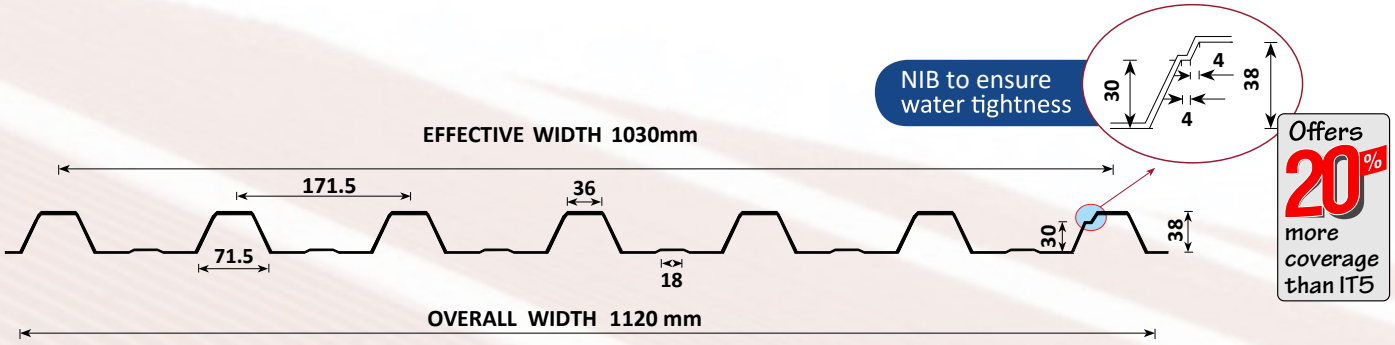


deco roof® ANTI-CORROSIVE COMPOSITE CORRUGATED ENGINEERED UPVC ROOFING SHEET

deco roof® anti-corrosive composite corrugated uPVC roofing sheets are manufactured using a 2-layered co-extrusion technology, with composite layers of materials having specific functions.

1. The top surface material is composed of a coloured ASA anti-weathering layer, which ensures light fastness, does not fade with time and chemical corrosion resistance to withstand the test of time.
2. The under layer material is composed of white special patented additives, which ensure brightness, rigidity and an eco-friendly appearance.

IT6 Profile



deco roof® uPVC sheets are available in 3 metre, 4 metre, 6 metre and 12 metre.

Colour Guide

ASA White

Coverage Calculator

IT6 Profile

Width ÷ 1.030 = No. of sheets required

Recommended Purlin Spacing

Thickness	Recommended Purlin Spacing	Recommended Overlap
2.5 mm	1.5 metres	200 mm

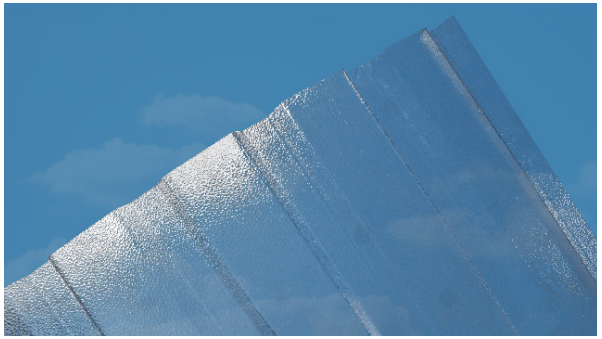
ADVANTAGES

- 100% rust proof
- Excellent heat insulation
- Non-corrosive
- High chemical resistance
- Fire retardant - meets the highest standards
- Sound retardant
- UV & weather resistant
- Enables arched roofs & curved walls
- Requires minimal maintenance
- Impact resistant - virtually unbreakable
- Weather & UV resistant
- Great economical alternative to metal
- Safe for water harvesting

APPLICATIONS

- Industrial structures
- Side lights & roof lights
- Garden greenhouses
- Industrial warehouses & storage buildings
- Residential houses
- Offices
- Patio coverings
- Swimming pool covers or enclosures
- Agricultural sheds & warehouses
- Do-it-yourself (DIY) projects
- Harsh chemical environments
- Dairy & poultry shelters
- Food processing & meat packing
- Loading sheds
- Aquaculture farms
- Kennels & stables
- Car & truck washes
- Storage sheds
- Canopies
- Pergolas
- Car ports

CORRUGATED CLEAR POLYCARBONATE IT6



deco roof® Premium Quality Corrugated Clear **Polycarbonate** Sheet is a top-quality roofing panel offering excellent light transmittance and impact toughness. Lightweight and easy to install, it matches uPVC IT6 profiles for building, workshop, agriculture, and greenhouse roofs.

Its co-extruded UV coating blocks over 99% of UV rays, ensuring superior weather resistance that withstands extreme weather conditions.

Benefits

• Highly impact resistant • Energy efficient • High light transmission • Lightweight • Easy to install

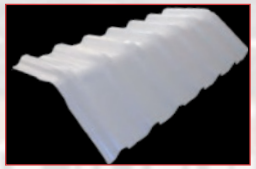
CORRUGATED TRANSLUCENT FIBREGLASS IT6

deco roof® Corrugated Translucent **Fibreglass** sheets are high performance composite materials made from a polymer matrix reinforced with glass fibers. They offer high strength, low weight, and excellent corrosion resistance, making them ideal roofing and cladding for construction, warehouses, aquaculture.

The corrugated design adds rigidity and strength for stability in demanding environments.

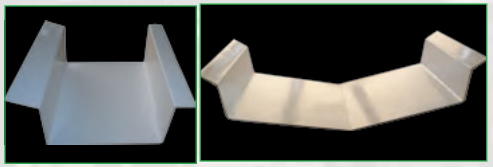
ACCESSORIES

Ridge Caps



IT6 Box Profile Ridge Caps

Customized Fibreglass Gutters

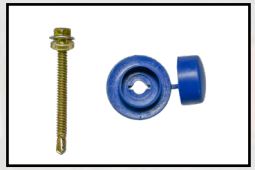


End Gutter Valley Gutter

Stainless Steel Roof Ventilators

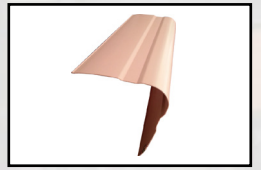
600mm Ventilator with soaker sheet

Roofing Screws

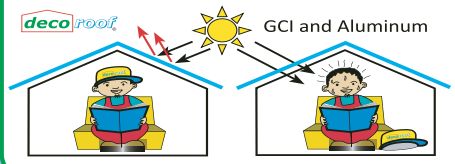


Self-drilling roofing screw & cap

Barge Board



Heat Thermal Performance



deco roof roofing sheets compared to other roofing materials i.e. GCI and aluminum, are an excellent heat insulator. deco roof provides a comfortable working environment by significantly reducing the interior temperature and humidity caused by intense sunshine in tropical countries. deco roof roofing sheets saves the exorbitant cost of installing mineral fiber wool with aluminum foil insulation.

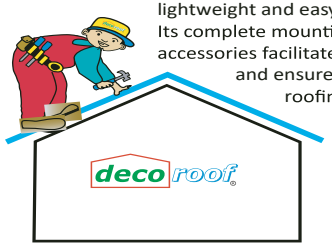
Excellent Weather Resistance & Lasting Color

No Rust! No Weathering! No Buildup! No Algae! deco roof roofing sheets are of extraordinary durability in the natural environment. The product raw material contains ultraviolet resistant absorbing agent, which prevents it from decomposing and weathering. With lasting physical and mechanical properties, deco roof roofing sheets ensures minimal fading in colour compared to other roofing materials, even if it is exposed to the extreme torrid sunlight in tropical countries.

Good Sound Retardant

Compared to other roofing materials deco roof roofing sheet has a good sound absorbing effect.

Easy To Handle, Easy to Fix



deco roof roofing sheets are lightweight and easy to handle. Its complete mounting accessories facilitate installation and ensure efficient roofing.

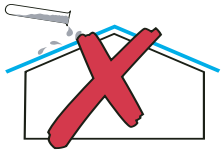
Strong Fire Retardant

deco roof roofing sheets are self-extinguishing since they are composed of non-flammable materials.

Recyclable & Environmental Friendly

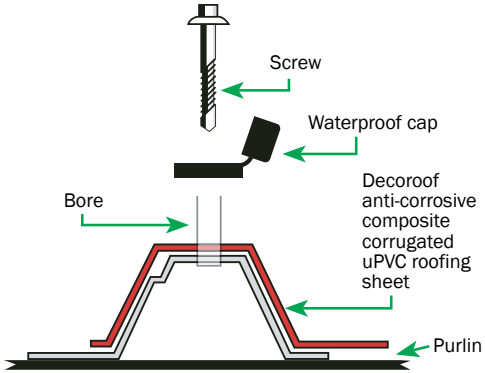
After years of use deco roof roofing sheet can be recycled, as it does not contain any radioactive and asbestos elements, making it an Environmental friendly (green product)

Excellent Corrosion Resistance



deco roof roofing sheet withstands corrosion of various chemical substances, such as acid, alkali and salt. deco roof is an ideal substitute to other roofing materials, to be used in acid rain afflicted regions, coastal areas and workshops with corrosive substances.

FIXING DETAIL



Test	Result	Protocol adopted
Charpy Notched Impact Strength	56J/m C(Complete break)	ASTM D6110-10
Chemical Resistance	Fading	With reference ASTM D543-14 and client's require-ments
Dimensional Stability	X direction 0.6% Y direction 0.04%	ASTM D1204-14
Flexural Test	Flexural Strength 60.4MPa Flexural Strength 3380MPa	ASTM D790-17 Procedure A
Oxygen Index	35.2%	ASTM D2863-13
Striker impacted by a falling weight	Mean failure energy : 5.0J	ASTM D4226-16 Procedure A
Tensile Test	Tensile Strength 25.9MPa, Elongation at break 44%	ASTM D638-14
Vertical Burning	V-0	UL 94-2013 Rev.7 2017 Section 8
Vicat Softening Temperature	83.0◦C	ASTM D1525-09
Bearing Strength	65.9MPa	ASTM D953-10 Procedure A

Dealer

KEBS

ECO-FRIENDLY

Sai Raj
Quality Fibreglass Products

SAI RAJ TRADING FZCO

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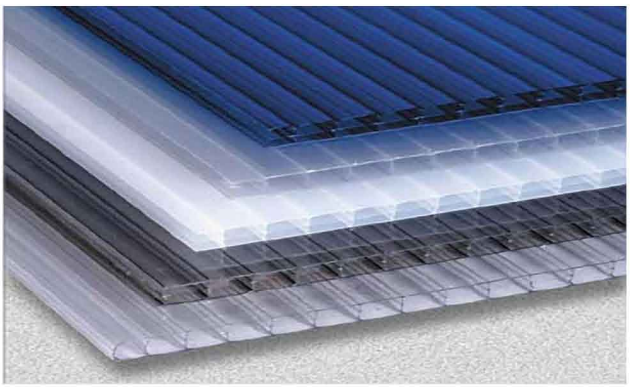
decoglaze®

TWIN WALL POLYCARBONATE SHEETS

Quality product by SAI RAJ



A WORLD OF POLYCARBONATE SHEETING

Living entails working,playing,keeping a home,being involved in sports,travelling,being safe and having distinct perceptions of the environment we live in.

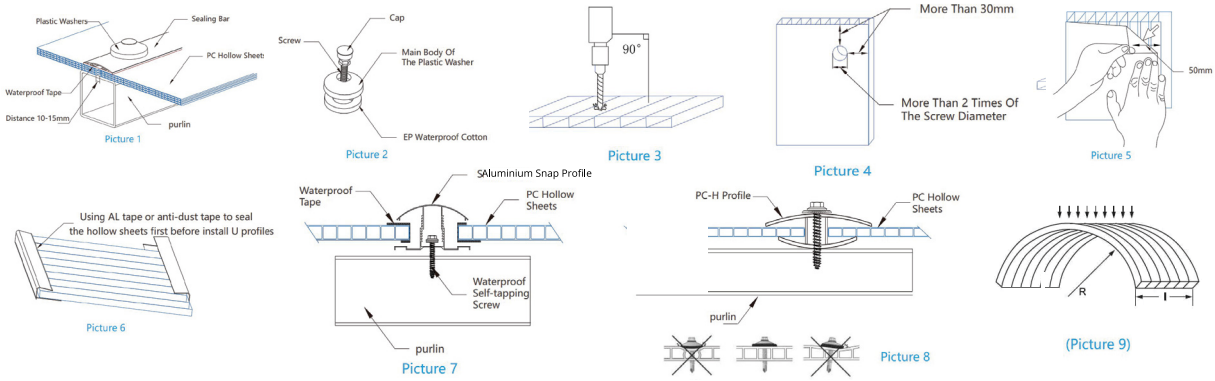
Transparency and lightness coupled with robustness,flexibility and insulation,are all features that help us in all these and decoglaze® Polycarbonate has them all.

deco glaze®

Proudly made in Kenya by Sai Raj

- Churches and museums
- Conservatories
- Covers for public areas
- Petrol stations
- Public amenities
- Railways and airports
- Roof coverings
- Roof glazings
- Schools
- Shopping centres
- Skylights
- Sound barriers
- Sport centres
- Stadiums
- Swimming pool enclosures

FITTING DETAIL



Installation and Maintanance of twin wall polycarbonate sheet

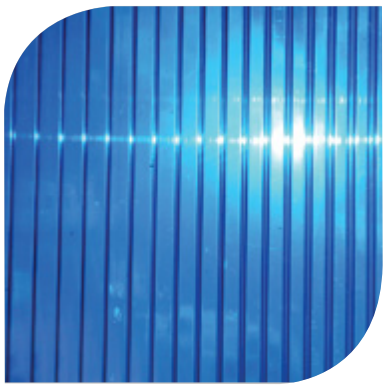
1. Keep the protective film on the pc hollow sheet surface throughout the installation process or during the frame surface coating, remove only when the installation is completed. Installation is easy since polycarbonate sheets can be cold bent.
2. Ensure you fit the sheets with the U.V coated surface facing the sun.
3. Clean the dust and grease on the surface with neutral cleanser or soft cloth or sponge. Don't use any solvents.
4. You require a relatively light structure since polycarbonate sheets are not heavy.
5. High speed circular saw with multi tooth blades are suitable for cutting polycarbonate sheets.
6. Silicone sealant may be used for wall/polycarbonate joints as well as when gap filling is required. Drill ony when unavoidable.
7. Avoid walking on the sheets. If necessary do so using a smooth wooden beam fixed to the frame.
8. Ensure top hat section and end cap are fitted snugly with a polycarbonate sheet to avoid water ingress.

deco glaze®

sai raj

TWIN WALL POLYCARBONATE SHEETS QUALITY PRODUCT BY

Sheet sizes available: 12.0m x 2.10m (l x w) , Thickness 8mm



BLUE

BRONZE

CLEAR

MISTY

OPAL

GREEN

Characteristics	Polycarbonate Hollow Profile Sheet	
Impact strength	14.3	kg.Ecm / cm
Light Transmission	40-80	%
Specific Gravity	1.2	g / cm
Coefficient thermal expansion	5.6 X 10-5	cm / om/C
Service Temperature	-40 C ~+ 120	C
Heat Conducivity	5.3 X 10 4	ca / sec / oc / om
Tensile strength	>600	kg / cm
Flexural Strength	800-920	kg /cm
Elongation at Break	70-140	%

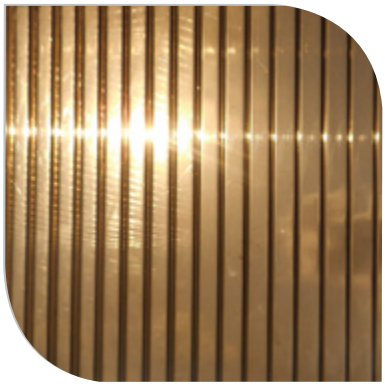
Advantages of deco roof® Polycarbonate Sheets

Proudly made in Kenya by Sai Raj

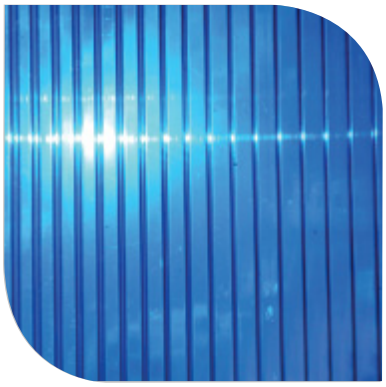
- Durable
- Choice of colour
- High quality
- High impact strength
- U.V protected surfaces
- Coating for cooler effect
- Closed-End to prevent fungus and condensation
- Anti rust, maintanance free, long lasting
- Allows 80% light in but reduces heat impact
- Bends to take structure shape
- Accessores for all shapes and sizes available
- Large sheet size 12m long by 2.1m wide

Sheet sizes available: 12.0m x 2.10m (l x w) , thickness 8mm

CLEAR



BRONZE



BLUE

GREEN

OPAL

MISTY

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