klar®







THE **BEST SOLUTION** FOR COVERINGS & CONSTRUCTION APPLICATIONS

Polycarbonate Multiwall Sheets | Polycarbonate Profiles & Connectors | PVC Ribbed & Corrugated Panels | Solid Polycarbonate Sheet

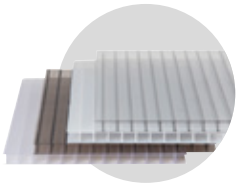
ABOUT US

Klar is a trusted manufacturer, regional distributor, and experienced exporter of high-quality thermoplastic solutions for architectural, industrial, commercial, agricultural, and residential applications.

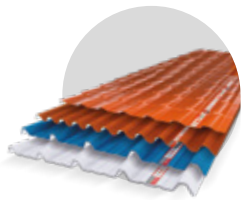
Committed to innovation and the highest quality standards, we provide reliable products backed by responsive U.S.-based customer service, efficient logistics, and short lead times.

Our brands are recognized for delivering superior quality, durability, sustainability, and long-term value across the markets we serve.

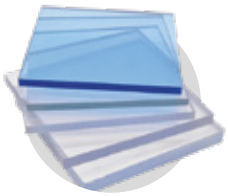
OUR PRODUCT LINES



Polycarbonate Multiwall Sheets



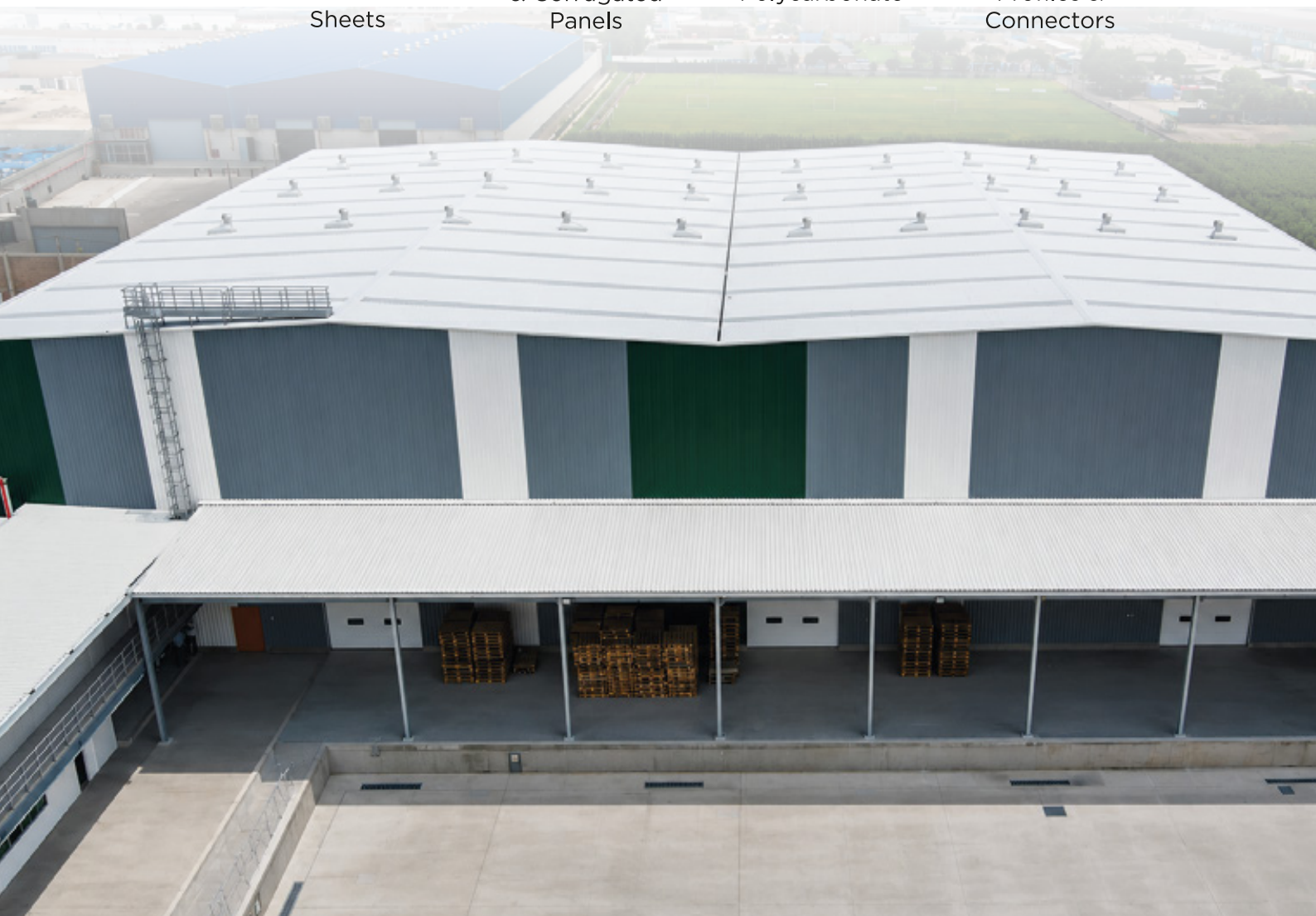
PVC Ribbed & Corrugated Panels



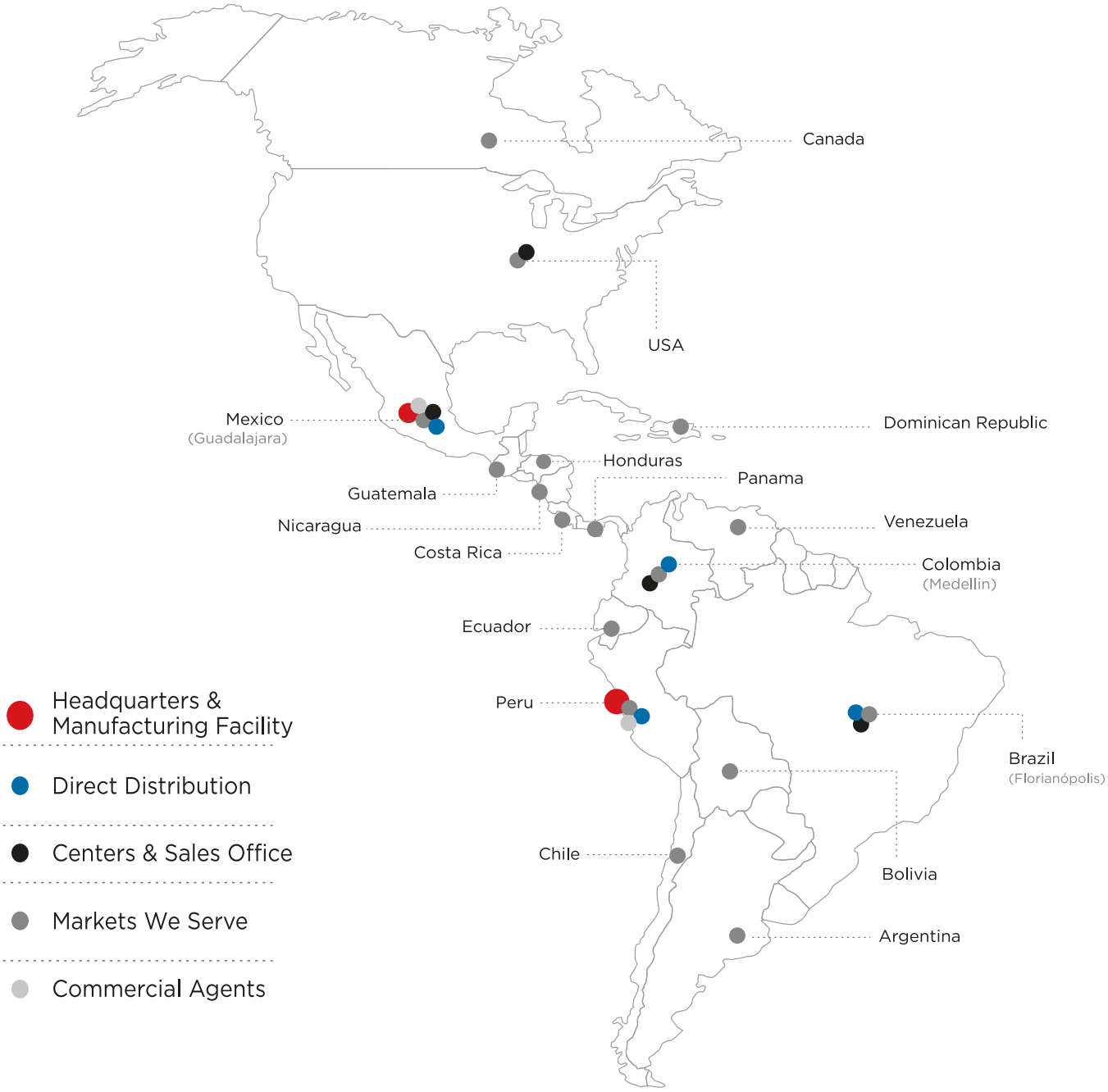
Solid Polycarbonate



Polycarbonate Profiles & Connectors



INTERNATIONAL PRESENCE



SUCCESS FACTORS

SUPERIOR QUALITY PRODUCTS AND EXCELLENT CUSTOMER SERVICE

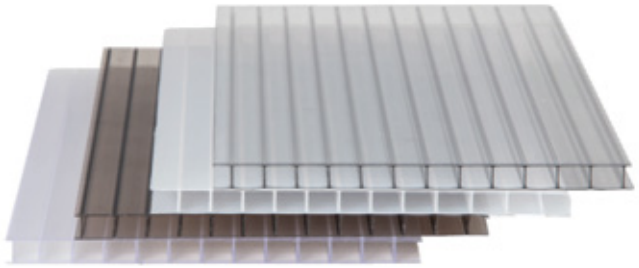
PRIME MATERIALS, STATE-OF-THE-ART TECHNOLOGY & QUALITY CONTROLS

WORLDWIDE PRESENCE



POLYCARBONATE MULTIWALL SHEETS

Built for demanding environments, KLAR Polycarbonate Multiwall Sheets are manufactured using premium raw materials and advanced UV co-extrusion technology to deliver long-lasting performance. Made with 100% virgin resin and high-quality colorants, KLAR sheets provide outstanding impact resistance, thermal insulation, excellent light transmission, and flexibility for cold bending and custom fabrication.



PROPERTIES

- UV Protection
- 10-Year warranty
- High impact and hail resistance
- Weather resistant
- Fire resistant
- Thermal insulation
- Flexible for cold forming
- Excellent transparency for natural light transmission
- Also available with Anti-fog / Anti-condensation for Greenhouse & Agricultural applications



APPLICATIONS AND USES

KLAR Polycarbonate Multiwall sheets are used as coverings in greenhouses, buildings and warehouses, horizontal and vertical enclosures, coliseums, malls, industrial & commercial buildings and residential applications that require natural illumination.



Greenhouses & Agricultural



Data Centers



Industrial & Commercial



Decorative & Interiors

klar®



Anti-fog - Light Deprivation - FR

POLYCARBONATE MULTIWALL SHEETS

BENEFITS

- Excellent light transmission
- Higher crop yields and improved plant quality
- Healthier & more productive growing environment
- Fewer diseases and reduced drip damage

PRIMARY APPLICATIONS

Commercial greenhouses | Retail garden centers | Residential greenhouses

PRESENTATIONS AND TECHNICAL PROPERTIES

Thickness	Width		Length	
Millimeters	Meters	Inches	Meters	Inches
4, 6, 8, 10	1.2	48	2.4	96
	1.8	72	3.0	120
	2.10	82.68	3.6	144
			4.8	192
			7.3	288
			10.9	432

Note: For other dimensions please contact your sales representative.

KLAR PHYSICAL AND CHEMICAL PROPERTIES

Properties	Unit	Test method	Thickness in millimeters			
			4	6	8	10
Impact resistance	J	ASTM D5628	22.35	29.70	33.38	37.05
Flexural Modulus	ft-lbf/in^2	ISO 178	1,142			
Tensile strength	Psi	ISO 527	9,718			
Flammability	Classification	DIN 4102	HB			
Flammability Klar FR	Classification	ASTM E84	CLASS A			
K Thermal conductivity	BTU/(hr·ft·°F)	ISO 10077	2.31	2.31	1.73	1.73
Accelerated aging (QUV)	Years	ASTM G154	10			
Acoustic isolation	db	DIN 52210	15	17	18	19
Minimum bending radius	ft	Klar Method	2.46	3.28	4.10	4.92
Distance between supports	in	STD	16	24	32	40
Refractive index	-	ISO 489 – A	1.586			

* * Tolerance +- 0.01

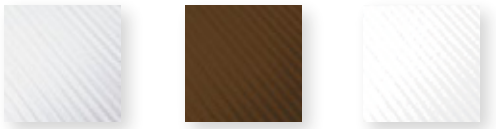
KLAR OPTICAL PROPERTIES

Product Code	Color	Shadow Coefficient (SC)[1]	Solar Heat Gain Coefficient (SHGC)[2]	Light Transmission % (LT)[3] ASTM D-1003			
				4	6	8	10
K01TRANS	Clear	0.86	0.75	80	80	79	79
K02BLHT	White	0.60	0.52	25	24	23	21
K06BRON	Bronze	0.57	0.50	19	19	18	18
K05GHO	Smoke Gray	0.70	0.61	40	40	39	38
K07CELT	Light Blue	0.54	0.62	20	20	19	19
K08AZUL	Blue	0.80	0.70	26	25	24	24
K09ANAJ	Orange	0.78	0.68	55	55	54	54
K10AMAR	Yellow	0.80	0.70	78	78	77	77
K11ROJO	Red	0.72	0.63	16	16	15	15
K12TURQ	Turquoise	0.71	0.62	52	52	51	51
EL01GRRF	Reflective Gray	0.46	0.40	11	10	9	9
K13VERD	Green	068	0.59	30	30	29	29

*For other colors, please consult with manufacturer
(1) SC (Shadow coefficient): Amount of sun heat transmitted through a window compared to a standard single glass 1/8 inch-width window under the same conditions. (2) SHGC (Solar Heat Gain Coefficient): Percentage of solar radiation incident transmitted through an object that comprises a direct solar transmission and the part that solar radiation irradiates towards inside. (3) LT (Light transmission): Percentage of incident visible light that passes through an object.

COLORS

BASIC COLORS



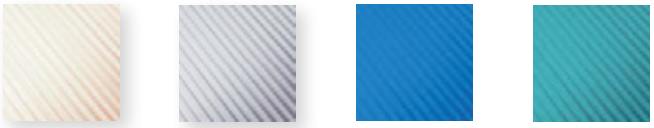
Clear Bronze White

SPECIAL COLORS



Yellow Turquoise Blue Green Orange Red Smoke Gray Light Blue

REFLECTIVE COLORS

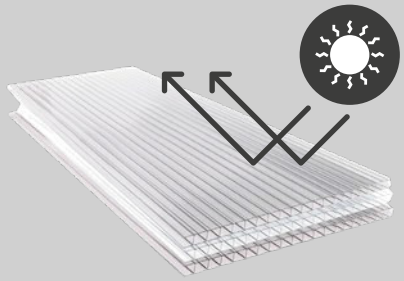


Reflective Pearl Reflective Gray Reflective Blue Reflective Green

SPECIALTIES

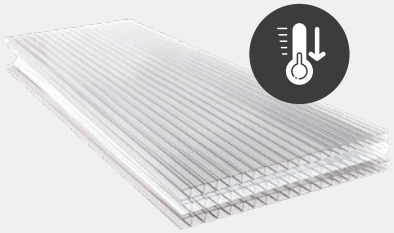
KLAREFLECT®
Reflective:

Our polycarbonate Multiwall sheets with Klareflect® technology are suitable for warmer climates where excessive heat can be a challenge. Klareflect® provides an effective solar heat control by reflecting sunlight away while helping to keep the internal temperature lower.



KLAR SMART® IR
Solar control IR:

Klarsmart® IR technology is applied to our polycarbonate Multiwall sheets to block undesirable near-infrared (IR) radiation permitting the highest levels of light transmission while preventing heat buildup on interior surfaces and surrounding objects and, thus, achieving energy efficiency.



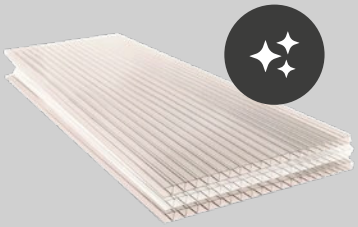
KLARIFOG®
Antifog/anticondensation:

Our polycarbonate Multiwall sheets with Klarifog® technology are designed for Greenhouse and other Agricultural applications where natural light transmission must be maximized for photosynthesis. Klarifog® effectively minimizes droplet formation to a minimum while blocking harmful UV rays and excessive heat to maximize crop efficiency while reducing plant diseases.



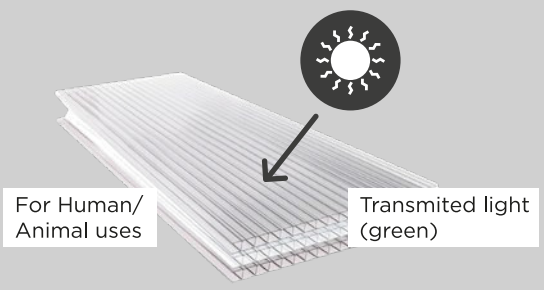
STYLISH KLAR®
Pearlshade:

We recommend a selection of Stylish Klar® polycarbonate Multiwall sheets for stylish, decorative applications where a sophisticated and refined look is desired. Our Stylish Klar® sheets provide elegance and style while keeping outstanding reflective qualities and light selectivity features.



KLAR® VISUAL COMFORT
Visually pleasing optical effects:

Klar® Visual Comfort technology provides enhanced pleasing effect to the eyesight by reflecting selectively most of the near-IR solar radiation and transmitting a more visible, comfortable light.



FIBER KLAR®
Fiberglass:

Fiber Klar® sheets are ideal for interior designs and have the same optical and mechanical properties as our standard polycarbonate Multiwall sheets, but enhanced abrasion resistance through fiberglass additives.





POLYCARBONATE PROFILES & CONNECTORS

PRODUCT DESCRIPTION AND CHARACTERISTICS

Klar's polycarbonate profiles and connectors are made with 100% virgin resin to meet the highest quality standards in the market. Our state-of-the-art technology allows for precision and flexibility to achieve a clean, professional finish when connecting panels together and sealing the ends securely.

Characteristics:

- UV protection
- Cold bending
- Easy installation
- Lightweight







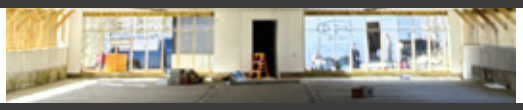
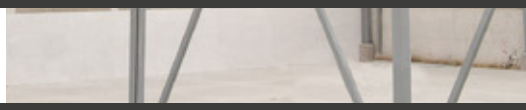
CONNECTOR H-shaped profile	CONNECTOR Bottom & Cap connectors	PROFILE U-shaped
USE Polycarbonate Sheet Thickness 4, 6, 8, 10mm	**USE** Polycarbonate Sheet Thickness 4, 6, 8, 10mm	**USE** Polycarbonate Sheet Thickness 4, 6, 8, 10mm
DESCRIPTION One-piece, lightweight and ideal for quick installations.	**DESCRIPTION** Its main function is to connect sheets together without the need to pierce them and offering a firm and secure installation. It is used in flat and curved installations. It significantly reduces the installation time.	**DESCRIPTION** Avoids the entry of undesirable agents such as water, dust or insects. It is installed at the ends of the sheet, over the aluminum tape to ensure a correct installation.

klar®





Klar Multilayer Thermoacoustic Technology

PVC RIBBED & CORRUGATED PANELS

BENEFITS

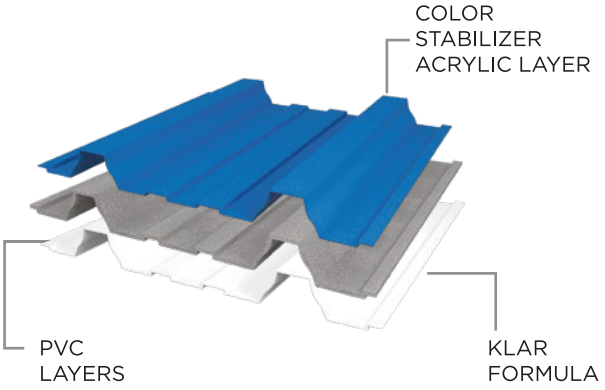
- Great absorption of noise and vibrations
- Great chemical resistance
- Electric insulation or low conductivity
- Excellent resistance to corrosion and thermal insulation



PVC RIBBED & CORRUGATED PANELS

THERMOACOUSTIC MULTILAYER TECHNOLOGY

KLAR PVC Ribbed & Corrugated Panels are engineered to outperform conventional metal and fiber-cement roofing systems.
Their multilayer structure delivers superior corrosion resistance, thermal insulation, and acoustic performance while reducing maintenance requirements and extending service life.
Lightweight and easy to install, KLAR panels provide reliable performance in harsh industrial, agricultural, and coastal environments.



BENEFITS

30-YEAR LIFETIME



- Raw materials of the highest quality.
- Durability and resistance.
- UV protection.

NON CORROSIVE MATERIAL



- Ideal for areas near the sea and humidity.
- Great resistance to different types of corrosion: Saline, microbiological and chemical.

FIRE RESISTANT



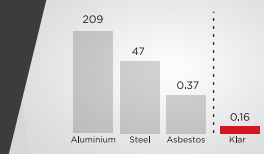
- B1 Classification, not combustible. (DIN 4102 standard, Euroclass validation).
- Does not spread fire.
- Does not drip.

SAFE & EASY TO INSTALL



- It´s easy to cut and does not need to be heated.

THERMAL INSULATION



- Klar's PVC Ribbed & Corrugated panels have better thermo insulation performance over metal roofing.

ACOUSTIC REDUCTION



- Great acoustic performance over metal roofing. Reduces noise up to 12 decibels.

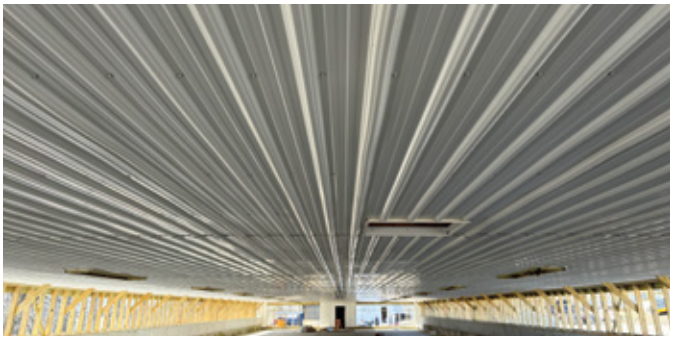
MINIMUM MAINTENANCE



- Requires only soap and water

USES

Best suited for roofing and siding applications such as:



AGRICULTURE FACILITIES



DAIRY FARMING



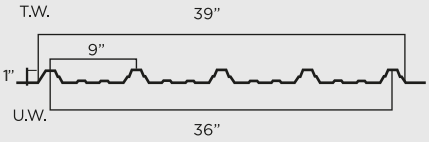
CARWASHES

PRESENTATIONS

TK9



39”



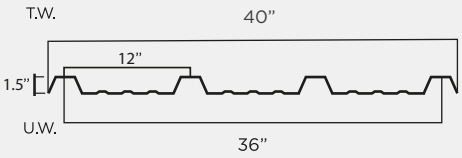
Available colors: White	Customized Colors upon request*: Red, blue, green

*Subject to minimum quantity

TK12



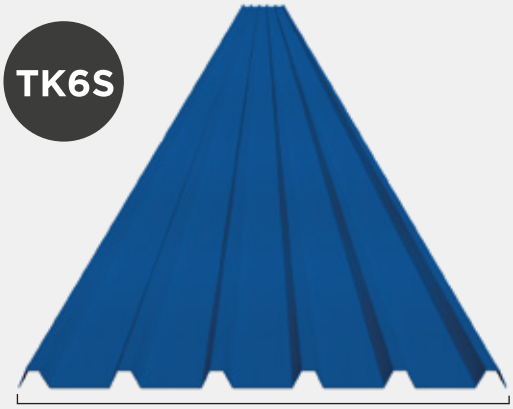
40”



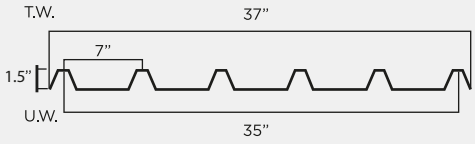
Available colors: Burnished Slate	Customized Colors upon request*: Red, green, blue, white

*Subject to minimum quantity

TK6S



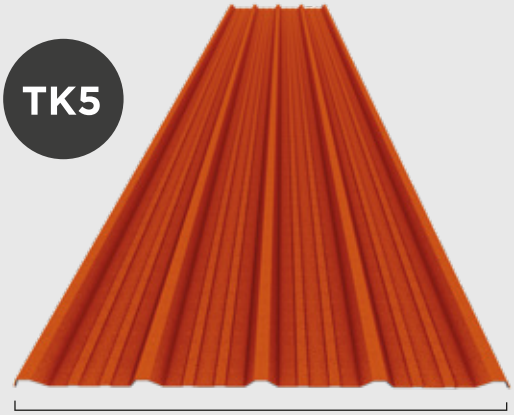
37”



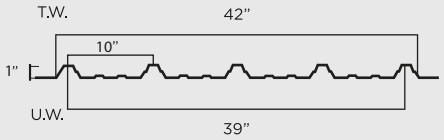
Available colors: Blue and white	Customized Colors upon request*: Red, gray, green

*Subject to minimum quantity

TK5



42”



Available colors: Red and white	Customized Colors upon request*: Blue and green

*Subject to minimum quantity

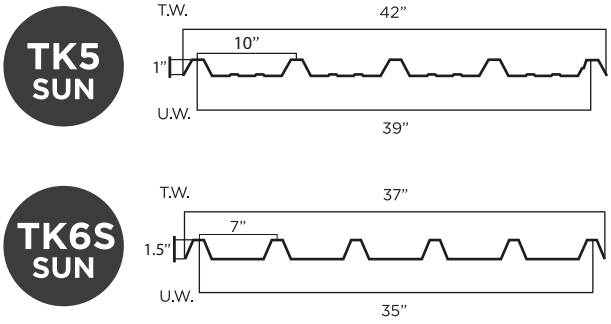
*UW: Usable Width / TW: Total Width

Thickness in mm:	1.5 / 2 / 2.5 / 3

ACCESORIES

Translucent panels:

Klar translucent coverings are monolithic, manufactured with the highest extrusion technology that presents an excellent resistance to diverse and extreme climates. They are nonflammable and also have UV protection ensuring a long useful life. They are an effective solution for illumination, transparency and resistance.

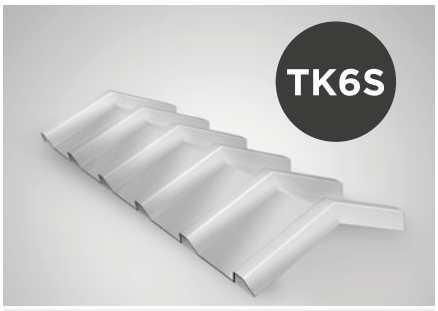


*UW: Usable Width / TW: Total Width

Ridges:

Klar’s PVC ridge cap are manufactured with the most advanced co-extrusion, multilayer technology, which provides excellent impact and extreme weather resistance.

CORRUGATED



STANDARD PRESENTATION
37.00” x 15.75” (length x width)
Angle: 135°

SPECIAL PRESENTATION
37.00” x 31.50” (length x width)
Angle: 172°

COLORS
White, red, blue, green, gray



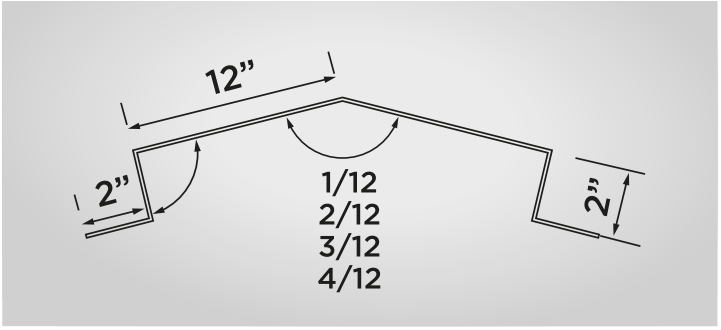
STANDARD PRESENTATION
42.13”x 15.75” (length x width)
Angle: 135°

SPECIAL PRESENTATION
42.13”x 31.50” (length x width)
Angle: 171°

COLORS
White, red, blue, green, gray

FLAT

KLAR offers custom ridge cap tailored to fit our different tile profiles, ensuring optimal performance and a refined appearance.

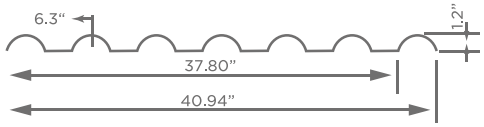




THERMOACOUSTIC MULTILAYER TILE ROOFING PANEL - SPANISH TILE

An excellent solution for roofing that provides protection against ultraviolet light, humidity, cold, hot, and other weather conditions, such as hail, rain, snow, frost, etc., while preserving its color and physical properties for many years.

- They do not rust or promote mold growth
- They protect against heat, cold and humidity
- 10-year warranty
- Fire resistant
- 100% recyclable and eco-friendly
- They reduce noise





Available width: 40.94 In

Thickness: 2.5 mm

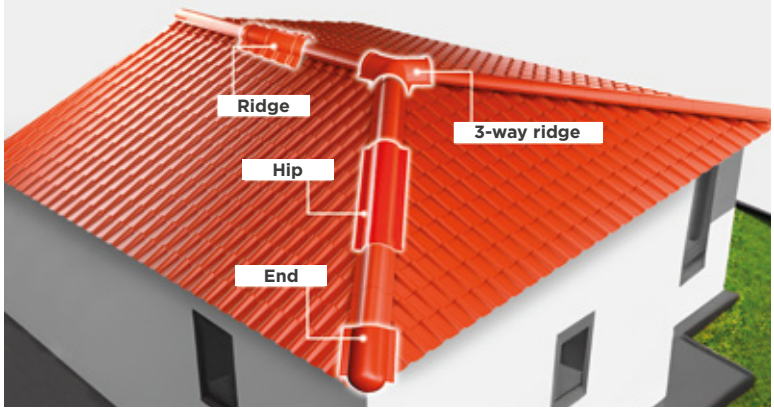
COLORS

Available colors: Tile Red / Orange

Other colors: Please consult with your specialized advisor.

Compared to conventional roofing materials, Klar Spanish Tile Roofing Panels have several physical and visual benefits. Their special function makes them **suitable for all types of applications** and detailed solutions in the construction industry, especially in the building sector.

ACCESSORIES



APPLICATIONS

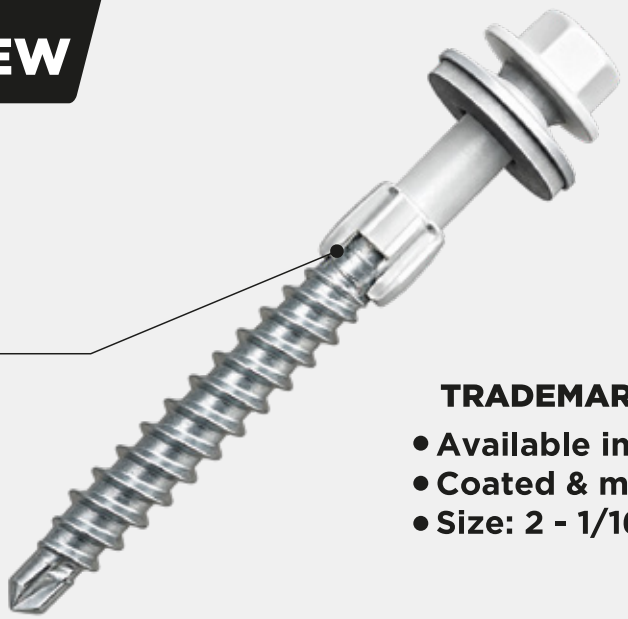


ACCESSORIES

Klar Fitting Sets

Use only with Klar panels. Use of other screws may void the warranty.

ONE STEPPER KLAR® SCREW



PRE-DRILLING WING

TRADEMARK

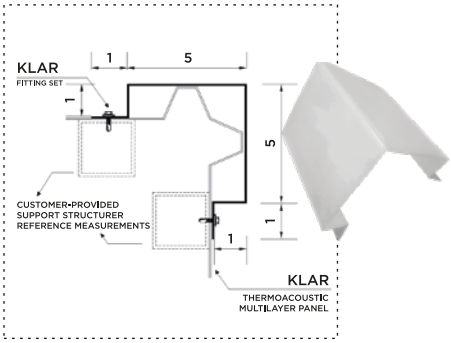
- Available in stainless steel
- Coated & mini drill point
- Size: 2 - 1/16 - 3

TRIMS

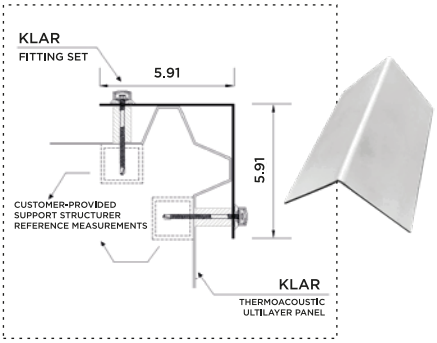
FINISHES:

PVC-based and manufactured using the same technology as Klar thermoacustic panels.

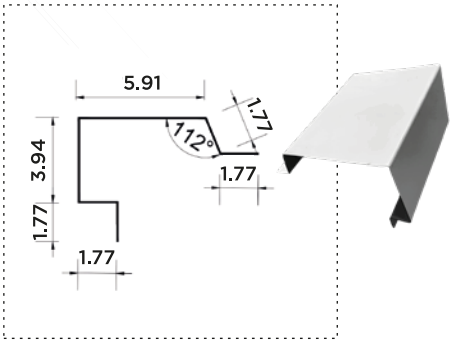
CORNER TYPE 1



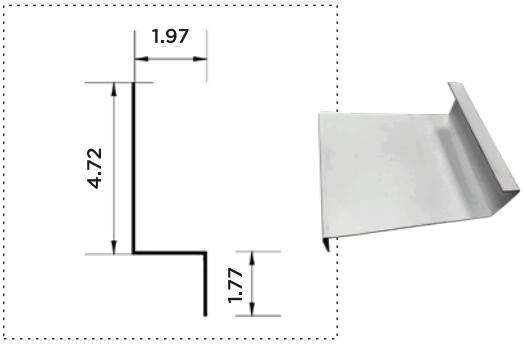
CORNER TYPE 2



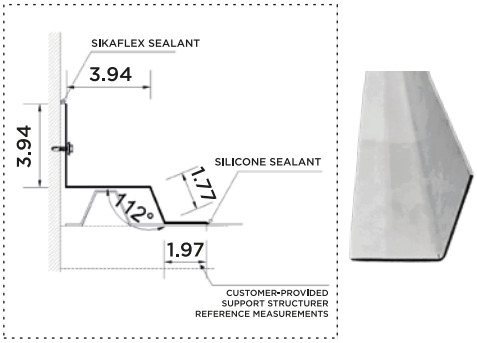
BORDER



BASEBOARD



FLASHING



klar®







10 years warranty / Extra strong / UV protection

SOLID POLYCARBONATE SHEET

BENEFITS

Great impact resistance

UV protection

Great clarity & brightness

Fire resistance

Thermo-formable

Excellent Noise Reduction

APPLICATIONS



SIGNAGE & GRAPHIC DISPLAYS



INDUSTRIAL APPLICATIONS



SAFETY & PROTECTION



ARCHITECTURAL & CONSTRUCTION APPLICATIONS

PRESENTATIONS

Finish	Clear / Prismatic
UV Protection	Both sides
Widths (In)	48” / 81”
Lengths (In)	96” / 120” / 240”
Thickness (mm)	2 - 3 - 4 - 5 6 - 8 - 10 - 12

COLORS



* Other lengths and colors are available subject to minimum order and open request.
*Check color availability with your Klar consultant.



PLASTIC PANELS MANUFACTURER

OUR PRODUCTS

klar®

POLYCARBONATE MULTIWALL SHEET

PVC RIBBED & CORRUGATED PANELS

SOLID POLYCARBONATE SHEET

klar®

CONTACT

sales@klar.us.com

www.klar.us.com

Advice is provided and orders accepted in accordance with the terms of our current General Sales and Supply Contract. Users should be aware of and use the latest and updated version of the product data sheet concerned, of which they will be sent to whom the request.

For more information, please consult our technical department or consult our corresponding technical sheets on our website: **www.klar.us.com**

Edition October 13, 2026