Lightweight, Strong & Durable Roofing Solutions.

WITH LEXAN™ CORRUGATED SHEET



LEXAN™ SHEET

POLYVANTIS

POLYVANTIS delivers advanced LEXAN™ Corrugated Sheet solutions engineered to meet the evolving demands of modern building and construction applications.

From high-performance daylighting systems and durable roofing solutions to lightweight cladding and glazing elements, our portfolio enables stronger, more efficient, and long-lasting structures. LEXAN™ Corrugated Sheets combine excellent light transmission with outstanding impact resistance and weatherability, offering the optical performance of glass in a lightweight, easy-to-install material.

With POLYVANTIS, you gain a trusted partner committed to helping you design and build resilient, high-performing, and future-ready structures.

Strength. Clarity. Performance. **Worldwide.**

When you need a roofing solution that offers impact resistance, long-lasting weatherability, and exceptional design flexibility, LEXAN™ Corrugated Polycarbonate Sheets are an excellent choice. Designed for industrial, commercial, and residential roofing projects, these high-performance sheets provide outstanding UV protection, excellent light transmission, and reliable durability even in demanding environments.

LEXAN™ Corrugated Sheets are lightweight yet incredibly strong, making installation easier while offering excellent resistance to hail, wind, and extreme temperatures. Available in a wide range of profiles, colors, and thicknesses, these sheets enable architects, builders, and homeowners to design attractive, functional, and energy-efficient roofing and cladding systems.

MAIN CHARACTERISTICS

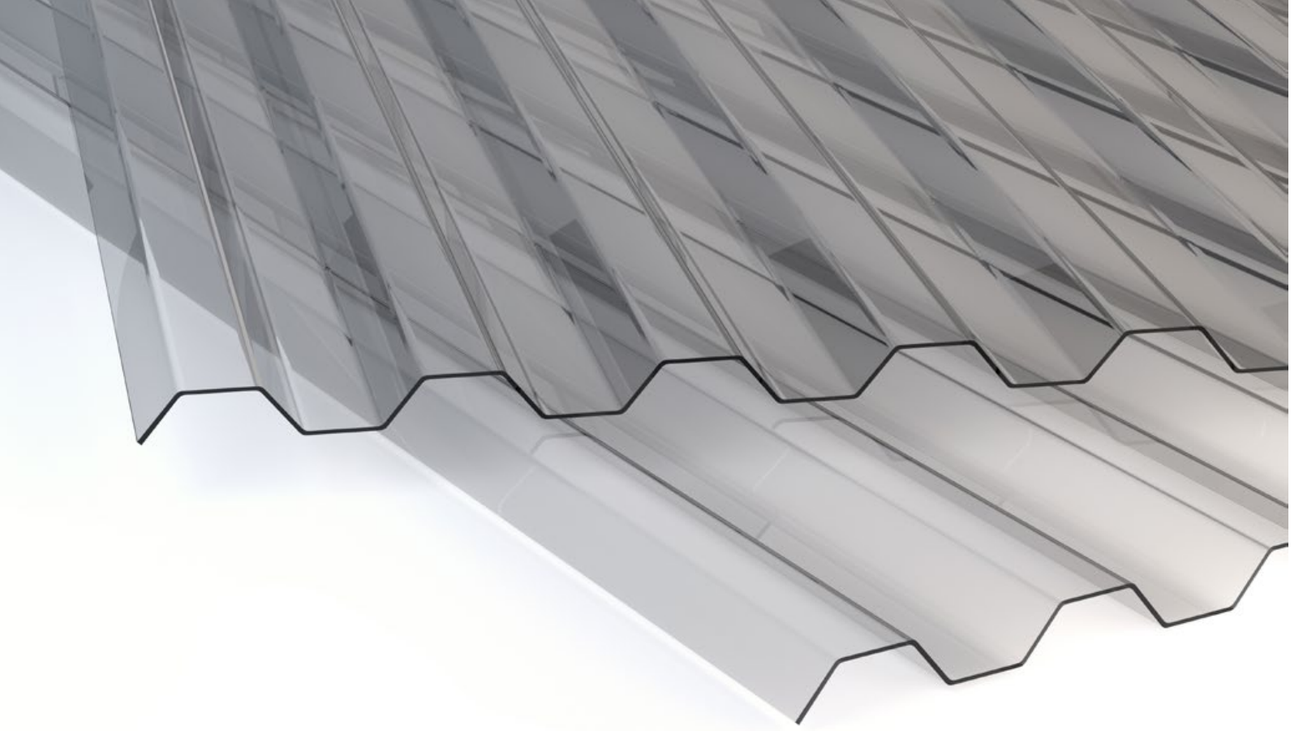
LIGHTWEIGHT & EASY TO INSTALL
Reduce structural load and make handling easier

UNMATCHED DURABILITY
Up to 250 times stronger than glass, with a 10-Year Limited Written Warranty

UV PROTECTION & WEATHER RESISTANCE
Long-lasting clarity and color stability

ENERGY EFFICIENCY
Excellent thermal insulation properties





Reasons to choose LEXAN™ Corrugated Sheet

EXCEPTIONAL LIGHT TRANSMISSION
LEXAN™ corrugated sheets provide glass-like clarity while being much lighter and more durable. They create bright, naturally lit spaces ideal for greenhouses, terraces, and outdoor areas.

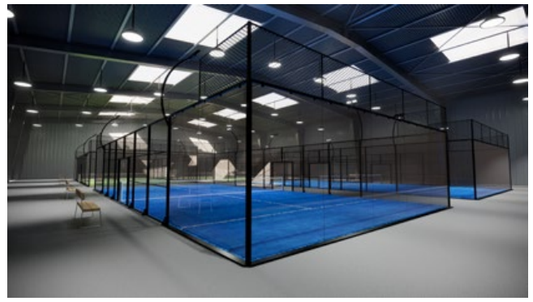
HIGH IMPACT STRENGTH
Crafted from high-quality polycarbonate, LEXAN™ corrugated sheets are designed to endure impacts that would typically shatter or crack conventional materials. They offer resistance to hail, storms, and mechanical stress, ensuring lasting safety and reliability.

GUARANTEED WEATHER RESISTANCE
LEXAN™ corrugated sheets are designed to resist UV radiation, prevent yellowing, and avoid embrittlement — ensuring clarity and performance for decades.

LIGHTWEIGHT & EASY TO INSTALL
Their lightweight design simplifies transportation, handling, and installation, reducing labor time and costs. Even large structures can be built with minimal supporting frameworks due to the material's rigidity and strength.

Potential Applications

COMMERCIAL & INDUSTRIAL ROOFING
Ideal for warehouses and production facilities, requiring durable, light-transmitting roofing.



GREENHOUSES, AGRICULTURE BUILDINGS & COLD FRAMES
High light transmission and optional drip-control technology promote healthy plant growth and reduce energy loss.

PATIO AND VERANDA/ TERRACE ROOFING
Create bright, weather-protected outdoor living spaces with high light transmission and long-term clarity.



DIY - VERANDAS, CARPORTS & CANOPIES
LEXAN™ Corrugated sheets resist hail, wind, and heavy loads — keeping vehicles and entryways protected year-round.

POOL & GARDEN STRUCTURES
Durable, UV-resistant roofing that supports its appearance and performance over time.

WINDBREAKS & VERTICAL GLAZING
Rigid, impact-resistant panels ideal for wind protection, privacy screens, and safety glazing.



Availability

Profile	Grade name	Standard gauges	UV	Textures	Width		Length	Colors	Plant(s)
SINUS	CS24 sheet LCS/S/I 76/18	0.8 mm	2 sides UV	Polish/polish	1260mm		6100mm	Clear, 112	Vadodara, India
BIG SINUS	BSI24N18 sheet LCS/S/I/ BSI 146/48	1.5-2 mm	2 sides UV	Textured/polish	1050mm		6100mm	Clear, 112	Vadodara, India
CUSTOM	CCA	1.5- 2-3mm	2 sides UV	Textured/polish	CCA 1020mm		6100mm	Clear, 112, bronze, 515081, opal white, 8230, 8250	Vadodara, India
	CCB				CCB 1070mm				
	CCK				CCK 1090mm				
	CCT				CCT 1072mm				
	CCKW				CCKW 1040mm				
	CCF				CCF 1062mm				
GRECA	COGC08 sheet	0.84 mm 0.033 inch	1 side UV	Polish/polish	1296mm 51 inch		Based on request	Clear, opal white, bronze, soft lite Other colors on request	Campinas, Brazil
SINUS	LCS500, no name yet 76/18	0.8 mm 0.032 inch	1 side UV	Polish/polish	1296mm 51 inch		Based on request	Clear, opal white, bronze, soft lite Other colors on request	Campinas, Brazil
IBR	Custom 171.5/37	0.8-1 mm 1.25 mm	2 sides UV	Matt/Polish Polish/polish	737mm		Based on request	Clear, opal white, bronze, soft lite Other colors on request	Campinas, Brazil
OMEGA	No name yet 76/15	0.8	1 side UV	polish/polish	1296mm 51 inch		Based on request	Clear, opal white, bronze, soft lite Other colors on request	Campinas, Brazil
SINUS	WP 76/18	2.5 mm + 2.6 mm 2.8 mm on request Other gauges	1 side UV	Polish/polish 2.5mm Honeycomb/ Polish 2.6mm Pyramid	1045mm		2000-7000mm Other lengths on request	Clear Brown honeycomb Grey honeycomb Clear honeycomb	Worth, Germany

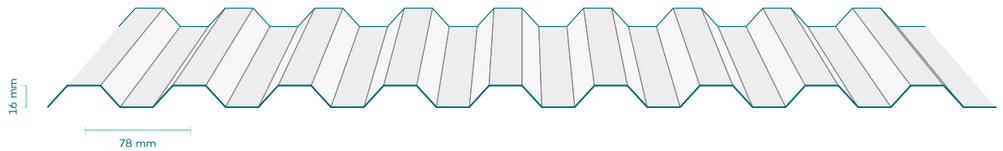
LEXAN™ Corrugated sheets are available in various non-standard widths, lengths, and colors. Upon request, we can also provide a drip guard version. Please contact your local sales representative or reach us at info.lexan@polyvantis.com.



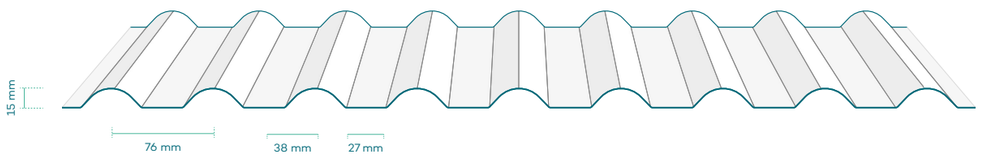


Profiles

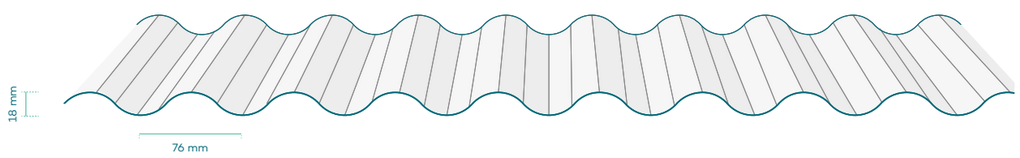
GRECA



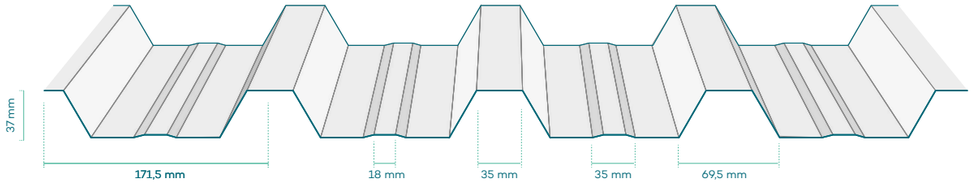
OMEGA 76/15



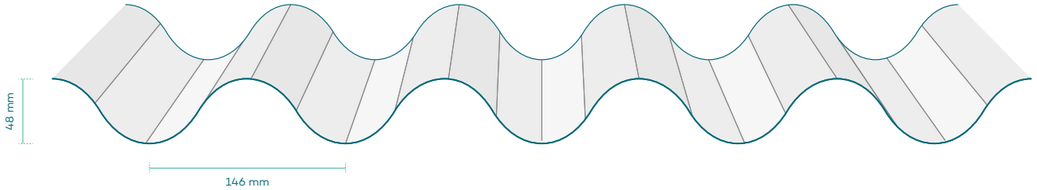
SINUS 76/18



BIG GRECA



BIG SINUS 146/48



CCT24N18



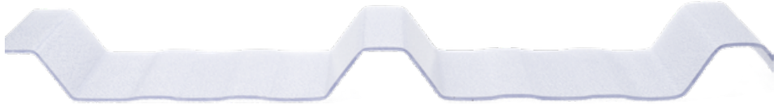
CCB24N18



CCA24N18



CCF24N18

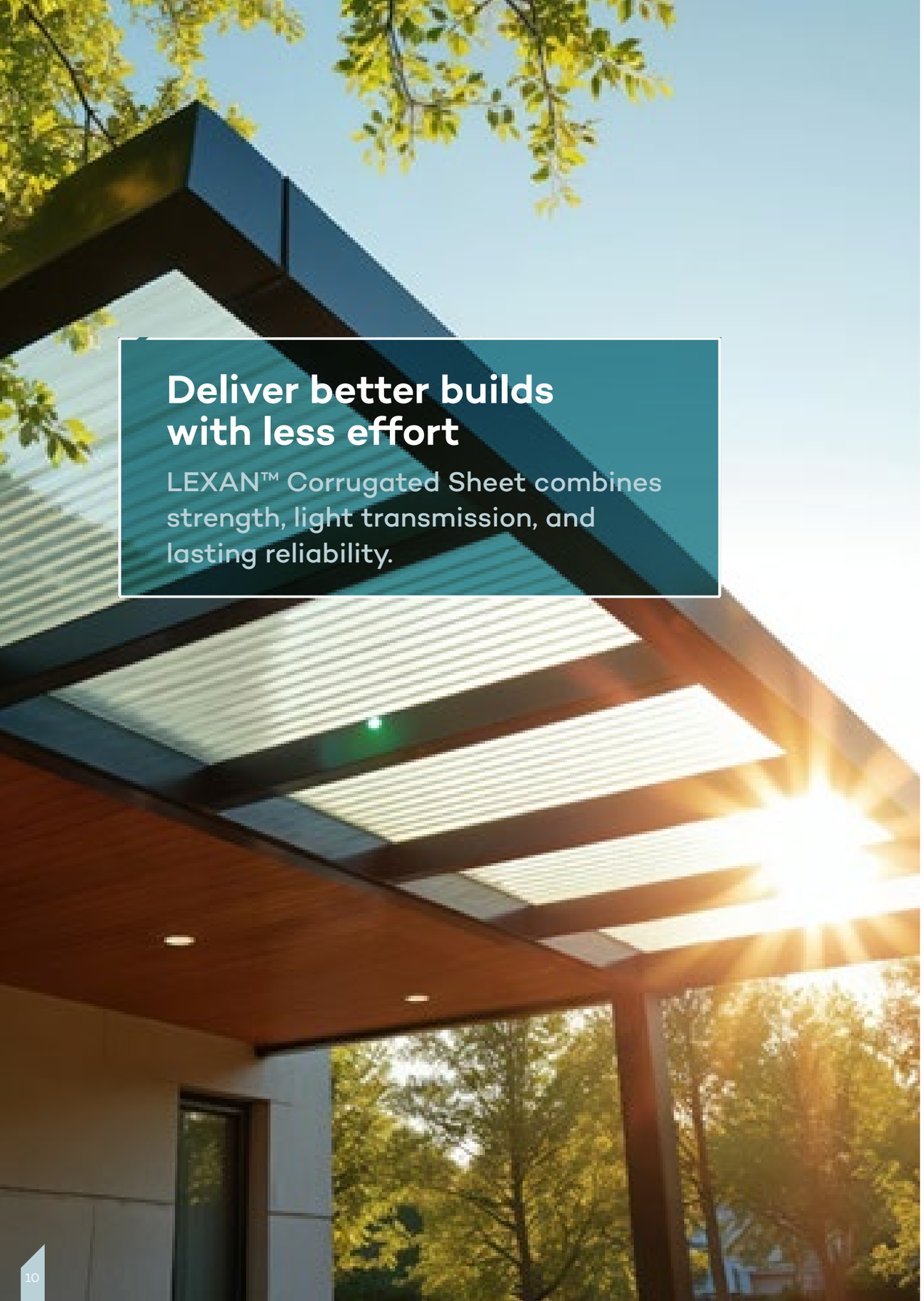


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CCK24N18





Deliver better builds with less effort

LEXAN™ Corrugated Sheet combines strength, light transmission, and lasting reliability.

Global Company
with Local Services & Supply



POLYVANTIS is committed to its customers around the world with a portfolio of Film & Sheet materials, application support and worldwide services.

We are a world-leading provider of high-quality semi-finished acrylic and polycarbonate products from renowned brands such as such as PLEXIGLAS® and ACRYLITE® for polymethylmethacrylate semi-finished products and LEXAN™ for polycarbonate sheets and films.

We provide services for a multitude of segments including the construction, transport and aircraft, electrical engineering and electronics, automotive manufacturing, and the home and garden sectors. With 15 production sites across the United States, Europe, Asia and Africa, we offer innovative products and solutions.

Our LEXAN™ Corrugated Sheets is manufactured at three strategic locations worldwide:
- Vadodara, India
- Worth, Germany
- Campinas, Brazil

This global footprint ensures fast delivery and consistent quality wherever you are. Available in different profiles, thicknesses, and colors to meet your specific design and performance needs.

MORE INFORMATION?
Please scan the QR-code and visit our dedicated landing page for Corrugated Sheet

POLYVANTIS

Polycarbonate products are sold globally under the trademark LEXAN™ Film & Sheet, owned by SABIC or its subsidiaries or affiliates.

polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC

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