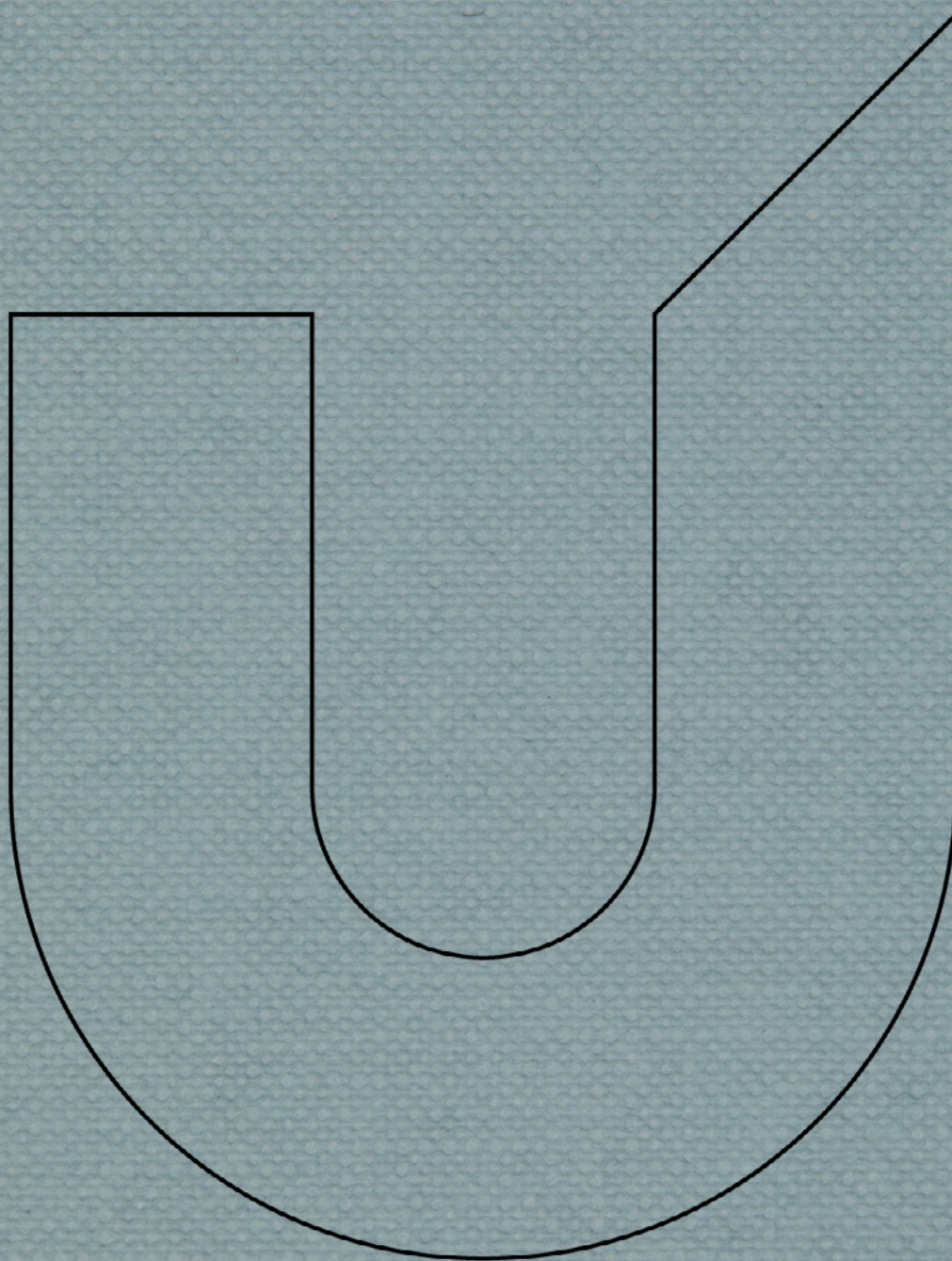
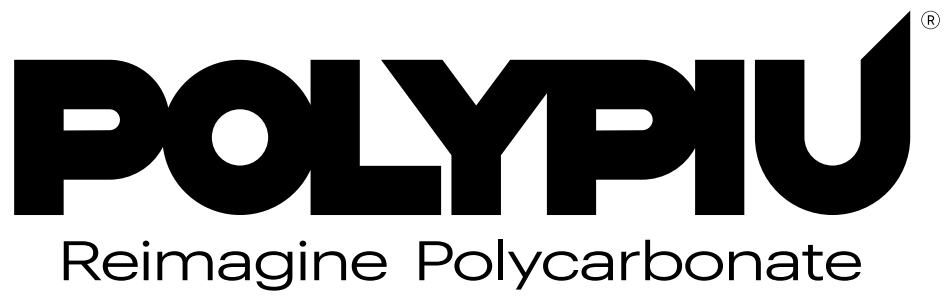




GENERAL LITERATURE



GENERAL LITERATURE

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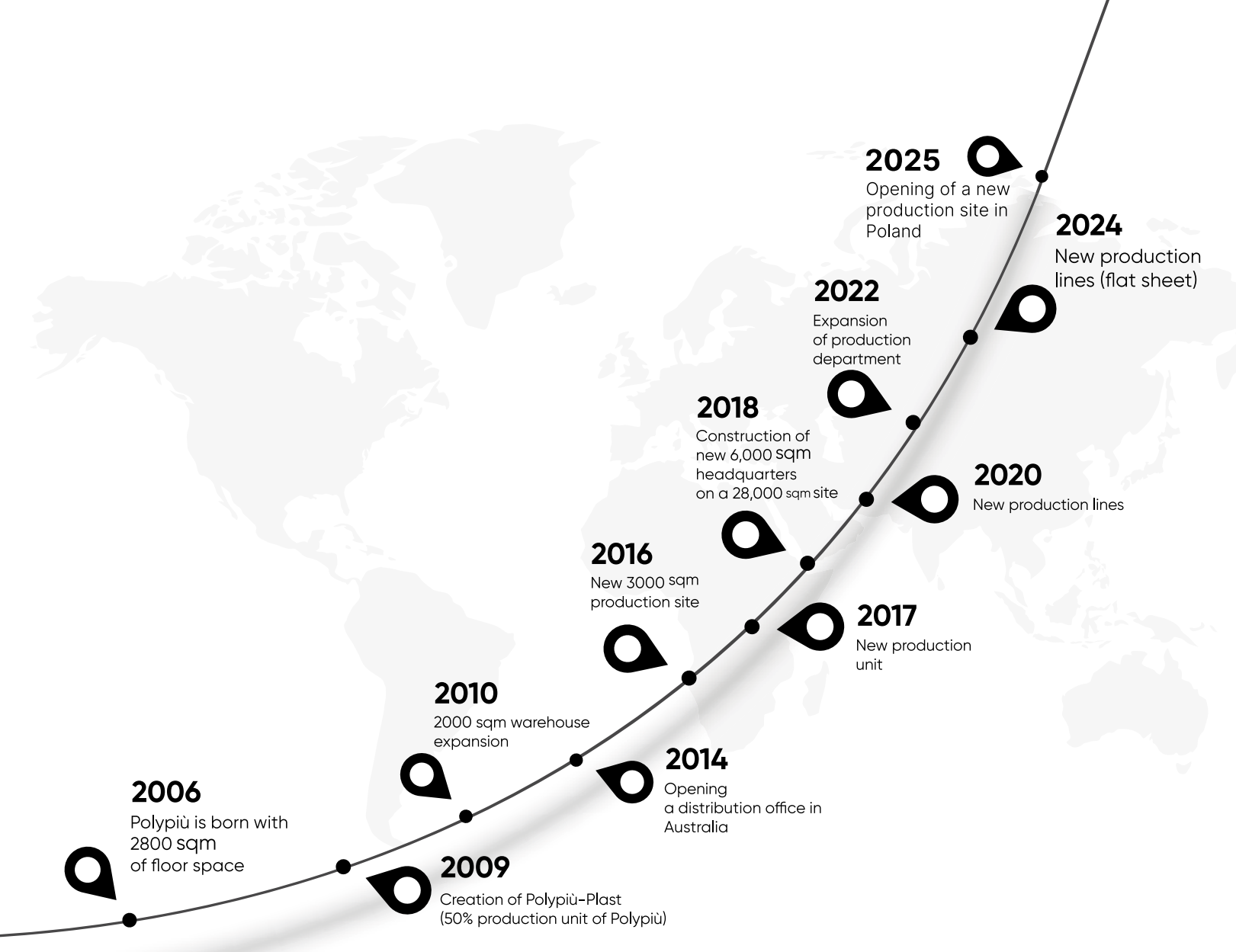
A STORY OF FAMILY AND ENTERPRISE

PolyPiù was born from the experience of the Moretti family and from an entrepreneurial tradition that, for more than forty years, has accompanied the evolution of polycarbonate in the construction industry.

Founded in 2006 by Domenico, Cristina and Elisabetta Moretti, the company carries forward the legacy of Polyù Italiana Spa, one of the pioneering European manufacturers of multi-wall polycarbonate systems.

Today, with the involvement of the new generation represented by Andrea and Marco Moretti, PolyPiù continues to pursue a vision based on continuity, innovation and manufacturing excellence, while preserving the character and solidity of the Italian family business.





From its origins in the Milan area to a consolidated presence in more than 75 countries, PolyPiù has developed an integrated manufacturing system dedicated to the development of polycarbonate solutions for architecture, construction and design.

The company's growth is supported by continuous investment in research, technology and production capacity, with new facilities and production lines dedicated to the development of increasingly high-performance and sustainable products.

Today, PolyPiù is an international partner for designers, contractors and distributors, offering polycarbonate systems and sheets designed to meet the demands of contemporary construction.

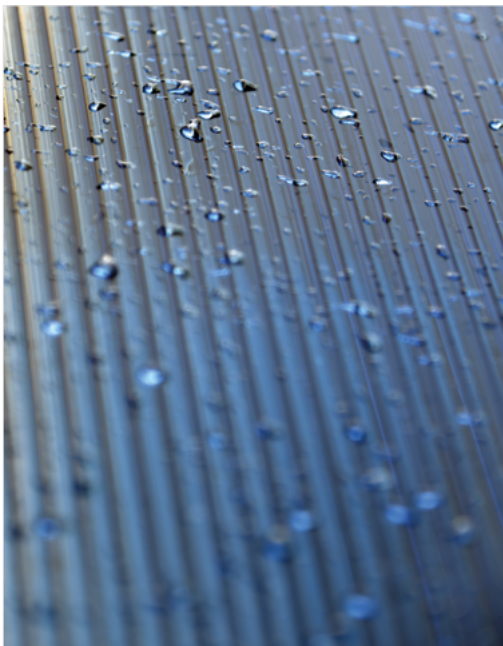
Special Treatments

Advanced solutions to enhance polycarbonate performance

PolyPiù develops surface treatments and technical solutions designed to enhance the properties of polycarbonate, improving its durability, resistance, energy efficiency and aesthetic quality.

Thanks to its Technical Department and Research & Development laboratory, PolyPiù continuously develops solutions capable of meeting the demands of contemporary architecture and the most advanced applications.

Special treatments expand the potential uses of the material, delivering higher-performing surfaces, increased protection against external agents and new design opportunities.



Resistance to chemicals

Material compatibility and protection

Polycarbonate can be sensitive to contact with certain chemical substances that may affect its properties over time. To ensure the highest level of reliability in every application, it is important to verify the compatibility of materials that come into contact with the product prior to installation.

PolyPiù provides a chart of resistance to chemicals to support designers and installers in selecting compatible materials for each application.

Scan the QR code to access the chart.



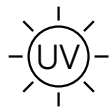
Special Treatments

UV Protection

Durability and long-lasting protection

The UV treatment consists of applying a co-extruded protective layer with a high concentration of UV absorbers, designed to preserve polycarbonate performance over time.

This protection limits the effects of solar exposure, helping to maintain the material's stability, transparency and aesthetic quality, with an extended warranty of up to 10 years.

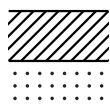


Bicolouration

Aesthetic customisation and visual comfort

Bicolouration allows sheets to be produced with two different colours on the internal and external surfaces, expanding the design possibilities of polycarbonate.

The combination of different exterior and interior colours allows you to achieve personalised aesthetic effects, whilst controlling light diffusion and colour perception within the rooms.



IR Treatment

Infrared radiation control

The IR treatment improves indoor comfort by reducing solar heat gain through transparent building elements.

By absorbing and limiting the transmission of infrared radiation, the treatment helps to maintain more comfortable indoor temperatures while reducing energy requirements for cooling.



Anti-reflective matt finish

Uniform light diffusion and glare reduction

The matt anti-reflective finish applied to the external surface of the sheet gives polycarbonate a more material and contemporary appearance, reducing the reflections typical of transparent building envelopes.

The treatment improves visual comfort inside buildings by evenly diffusing transmitted light and creating more balanced and pleasant illuminated spaces.



PolyPiù Green

Innovation, circularity and environmental responsibility

PolyPiù combines technological innovation with environmental responsibility through an approach focused on durability, efficiency and the principles of the circular economy.

Thanks to its lightweight properties, strength, thermal insulation performance and ability to transmit natural light, polycarbonate represents a strategic material for contemporary architecture and for the development of increasingly efficient buildings.

PolyPiù research accompanies the entire product life cycle: from design and production to material recovery and regeneration. Manufacturing waste and end-of-life panels are recovered and transformed into new raw materials, contributing to waste reduction and resource optimisation.

This commitment is reflected in the development of solutions containing high percentages of recycled material, optimised production processes and products designed according to a responsible and sustainable approach. Through continuous investment in research, technology and innovation, PolyPiù develops polycarbonate systems that combine technical performance, aesthetic quality and attention to environmental impact.

A measurable commitment



International Sustainability and
Carbon Certification
ISCC-PLUS-Cert- IT204-25007620



ETA No. 23/0301
ACCORDING TO NORM
EAD 220072-00-0401

Certified and tested by



Certified Performance

PolyPiù solutions are developed to guarantee high standards of safety, durability and energy efficiency.

Quality Guarantee

10-year warranty

PolyPiù products are covered by a 10-year warranty* for resistance to weathering and hail impact, confirming the reliability and long-lasting performance of the proposed solutions.

*Limited warranty for SmartPiù 2.5 mm thickness.

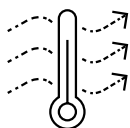


Thermal Transmittance

High thermal insulation performance

The insulation performance of PolyPiù multi-wall sheets is certified according to the EN ISO 10077-2 standard.

Their high thermal insulation capacity contributes to reducing heat loss and improving the energy efficiency of buildings.



Reaction to Fire

Class B-s1,d0

PolyPiù polycarbonate sheets and panels have obtained the B-s1,d0 classification according to the EN 13501-1 standard, ensuring a high level of safety in the event of fire.

This classification confirms reduced flammability, very limited smoke production and no flaming droplets or particles released.



Hail Resistance

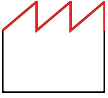
Certified impact test reports.

PolyPiù sheets and panels undergo hail resistance tests according to the UNI 10890:2000 standard.

These tests confirm the reliability of the material even under extreme weather conditions, making it ideal for outdoor applications and roofing systems.

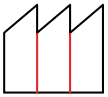


Applications



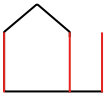
Roofing

Lightweight and durable solutions for industrial, commercial and residential roofing systems. PolyPiù polycarbonate sheets provide protection against weather conditions while ensuring effective natural light transmission.



Partitions and Screens

Systems for internal partitions, space division and screening solutions, creating bright, functional and flexible environments while enhancing the transparency and lightness of the material.



Outdoor Applications

Canopies, verandas and outdoor structures designed to provide protection, comfort and long-lasting performance thanks to their resistance to weathering and UV radiation.



Design and Architecture

Polycarbonate expands design possibilities through decorative solutions, interior design elements and innovative architectural applications characterised by lightness and versatility.



High-performance Systems

Reinforced solutions developed for applications requiring enhanced mechanical resistance, safety and reliability, even in particularly demanding environmental conditions.

Colours and Finishes

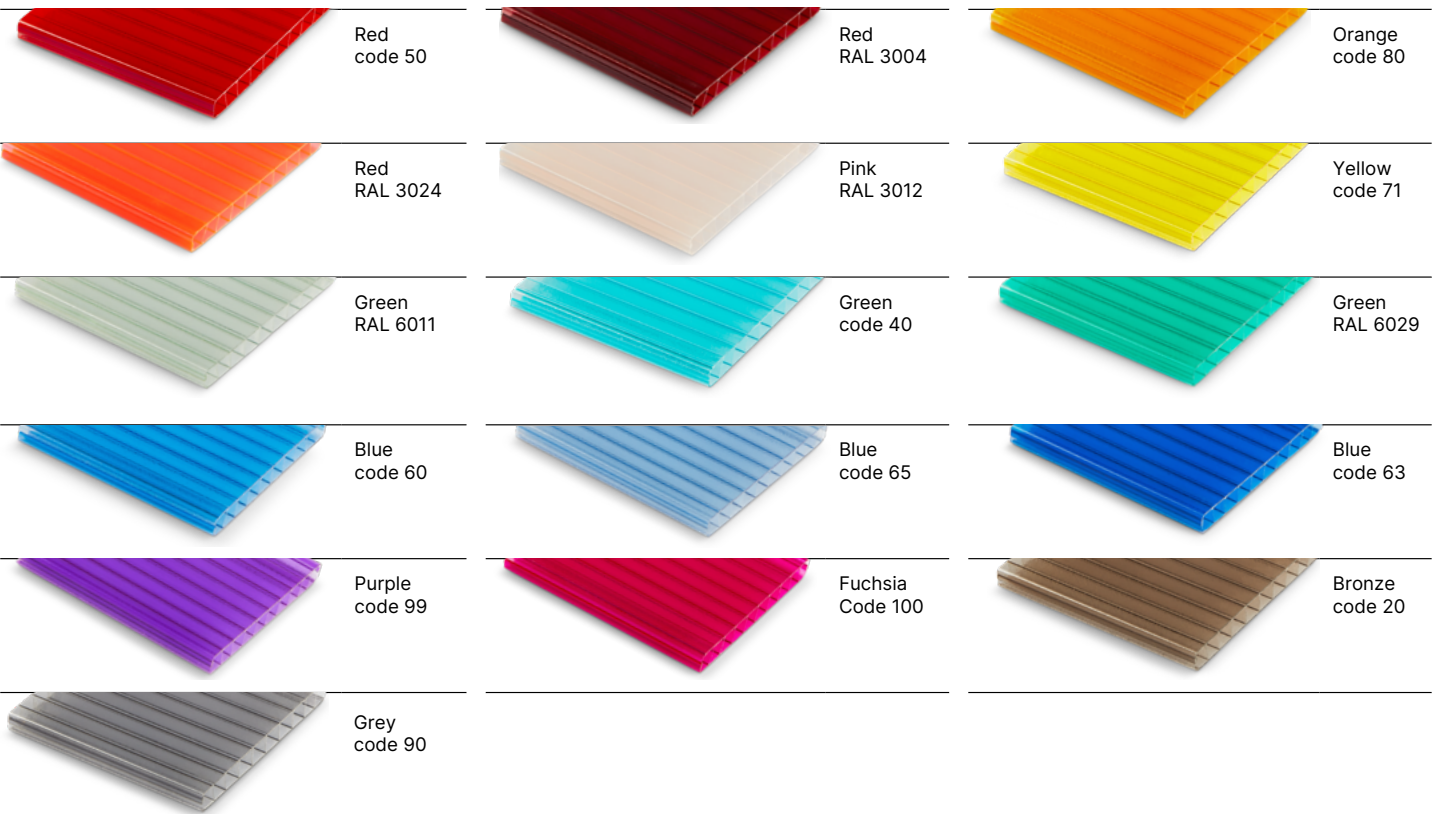
Colour is one of the elements that defines the architectural identity of polycarbonate. PolyPiù offers a constantly evolving range of standard colours, from neutral and transparent tones to more distinctive colour solutions, allowing designers to integrate the material into different application contexts.

Thanks to the possibility of developing customised solutions, PolyPiù supports each project with finishes and colours designed to enhance light, space and the perception of the building envelope.

Neutral Palette



Colour Palette

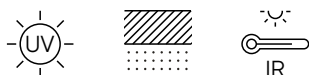


Custom Solutions

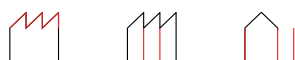
PolyPiù develops customised colours and finishes to meet the specific aesthetic, functional and design requirements of each application.

GrecaPiù® is a modular system in corrugated multiwall polycarbonate that provides protection from UV rays for skylights and translucent flat and continuous curved roofing, or combined with corrugated panels or sheets. **GrecaPiù®** corrugated polycarbonate sheets are available in different types of box profile height and thickness, such as 40/8-10-16 mm, 80/12-16-20 mm with 5 corrugations, 28/112 in a thickness of 6 mm with useful width mm 900 and twinwall structure. **GrecaPiù®** is the ideal choice for building single sheet application skylights and continuous ridge to gutter pitched roofing in multiple sheet application, with horizontal overlap and possible side overlapping. It also offers the ideal solutions for continuous curved roofing with curvature radii of R.3500 and R.6000. **GrecaPiù®** is a high quality, low cost product that is extremely easy to install.

SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

Available flat and curved

High load resistance

High light transmission

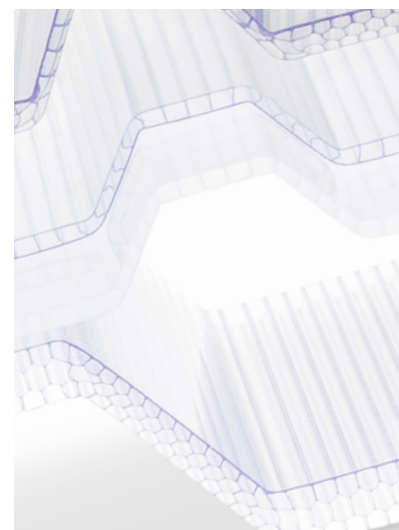
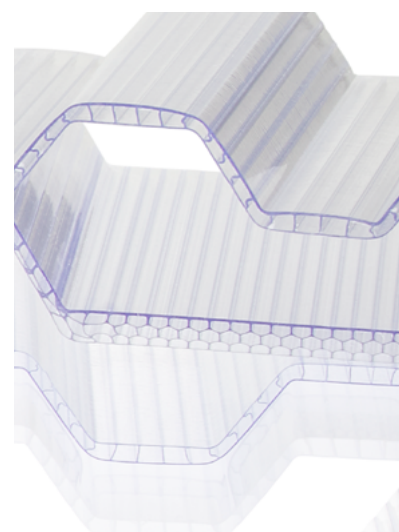
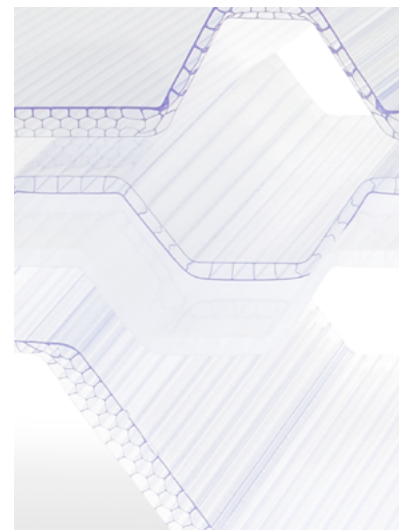
Longitudinal/transversal overlap

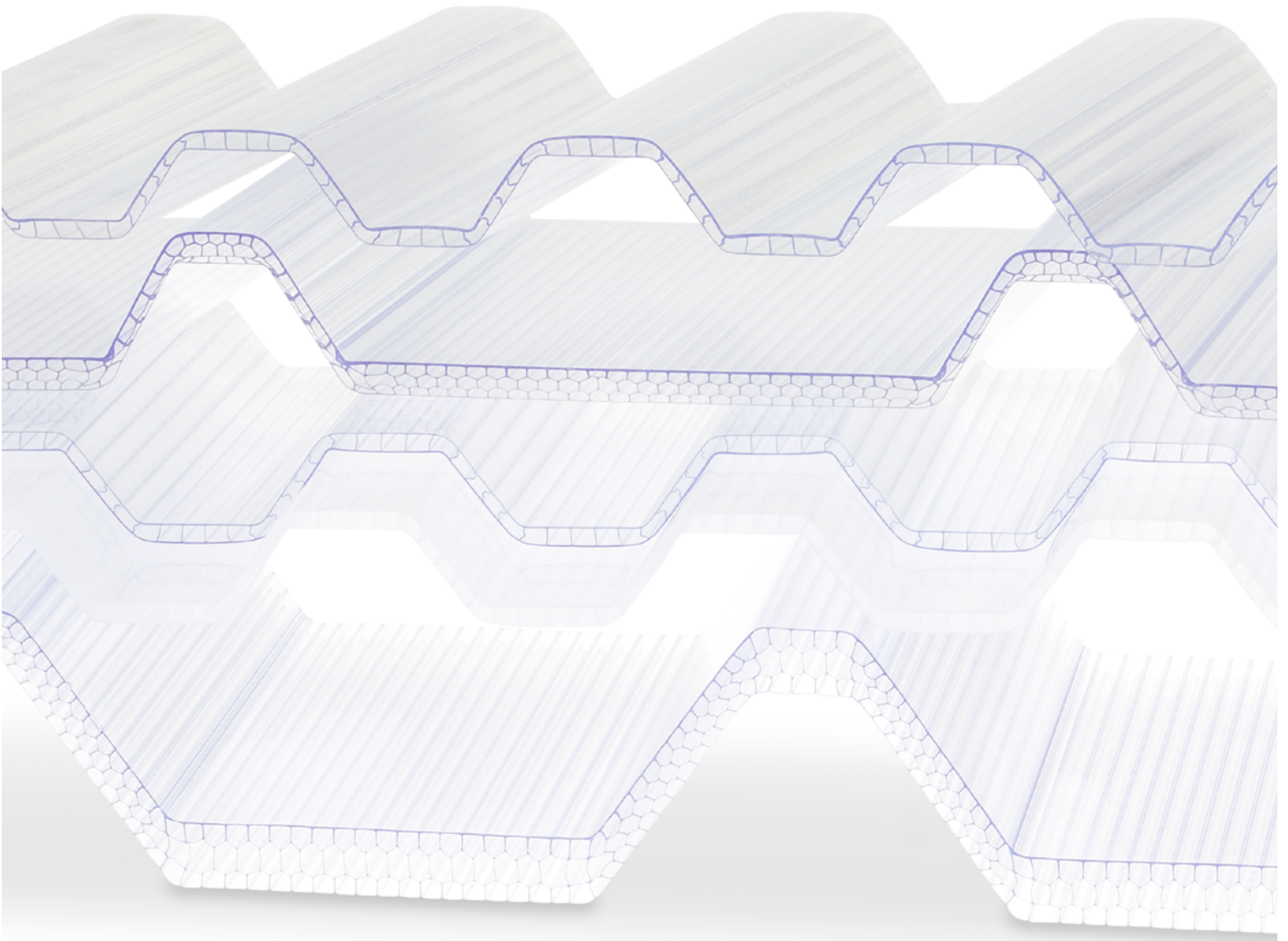
UV protection

Hail resistance

Heat sealing

System complete with accessories





GrecaPiù® 40 3 walls

Realisation of skylights and pitched roofing and curved canopies with extruded triplewall polycarbonate sheets with:

- Thermosealed ends
- External protection from UV rays
- Satined clear and opal colour
- Useful width mm 1000 ± 5
- Corrugation pitch mm 250
- Multiwall side ribs for overlap
- Customised lengths.

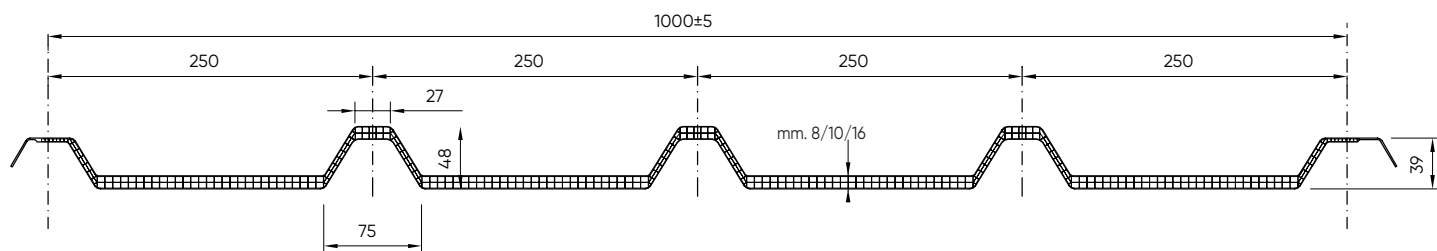
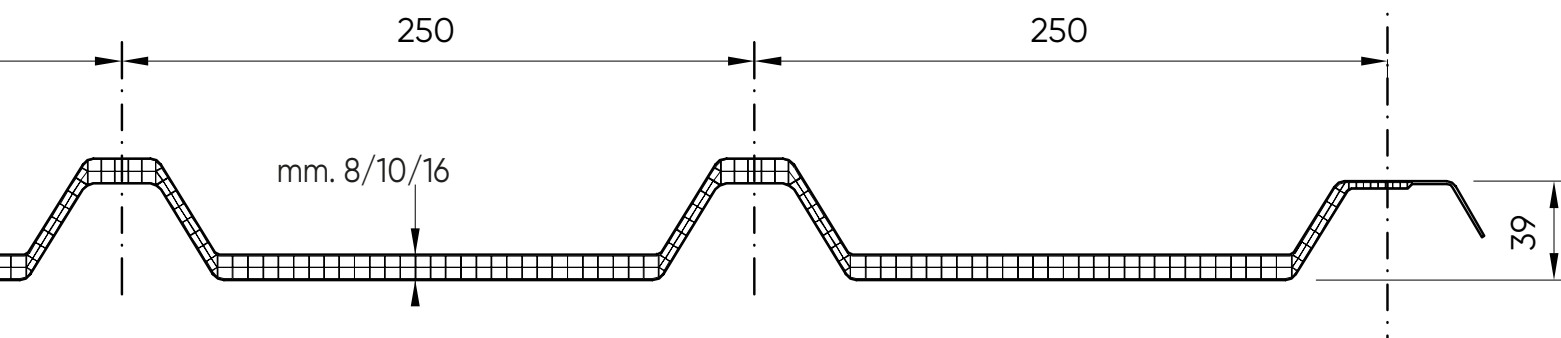
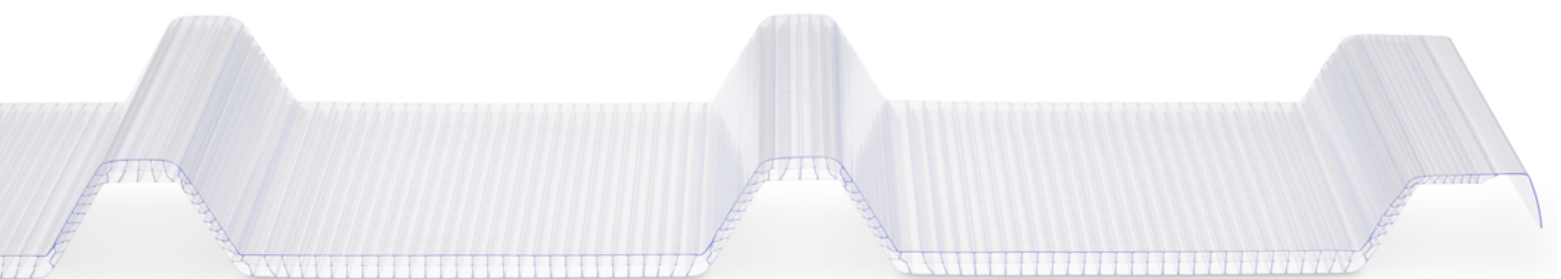
Thermal insulation
 $U = 2,90 - 2,70 - 2,10$
 $W/m^2K.$

8
mm

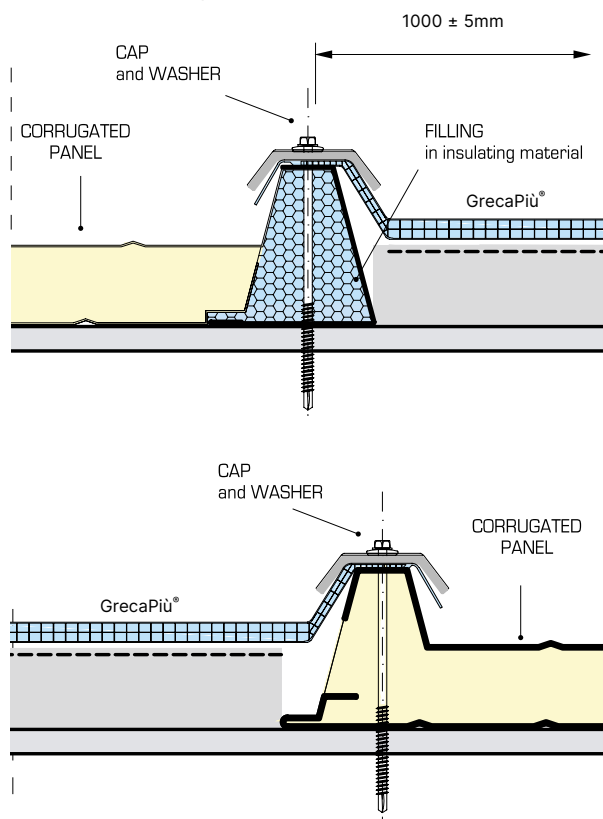
10
mm

16
mm

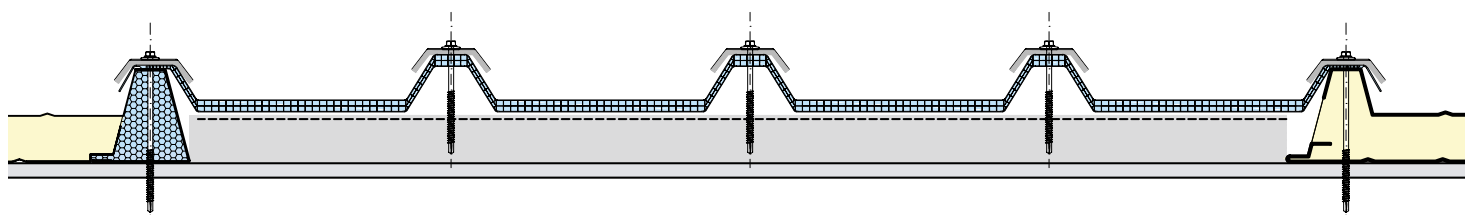
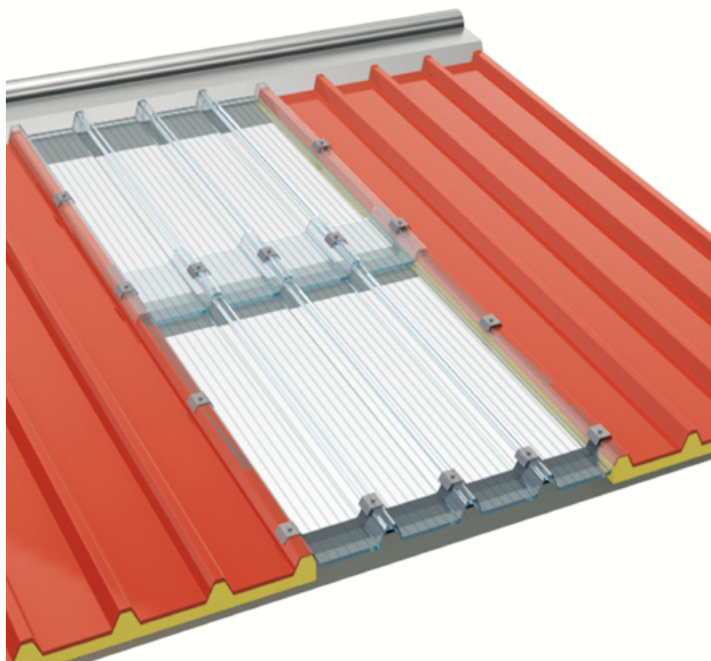
SPECIAL TREATMENTS



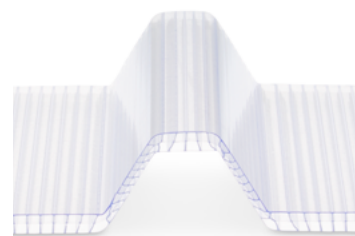
Overlap GrecaPiù® 40 with corrugated panel



GrecaPiù® 40 5 corrugations Flat application on multiple supports



THICKNESS	8 mm	10 mm	16 mm
HEIGHT OF SIDE WAVE	40mm		
STRUCTURE	3 walls		
USEFUL WIDTH	1000 ± 5 mm		
SHEET LENGTH	upon request (max. length recommended is 7 mtr)		
THERMAL INSULATION	U= 2,90	U= 2,70	U= 2,10
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	79% ± 2	77% ± 2	74% ± 2
OPAL COLOUR	45% ± 2	42% ± 2	39% ± 2



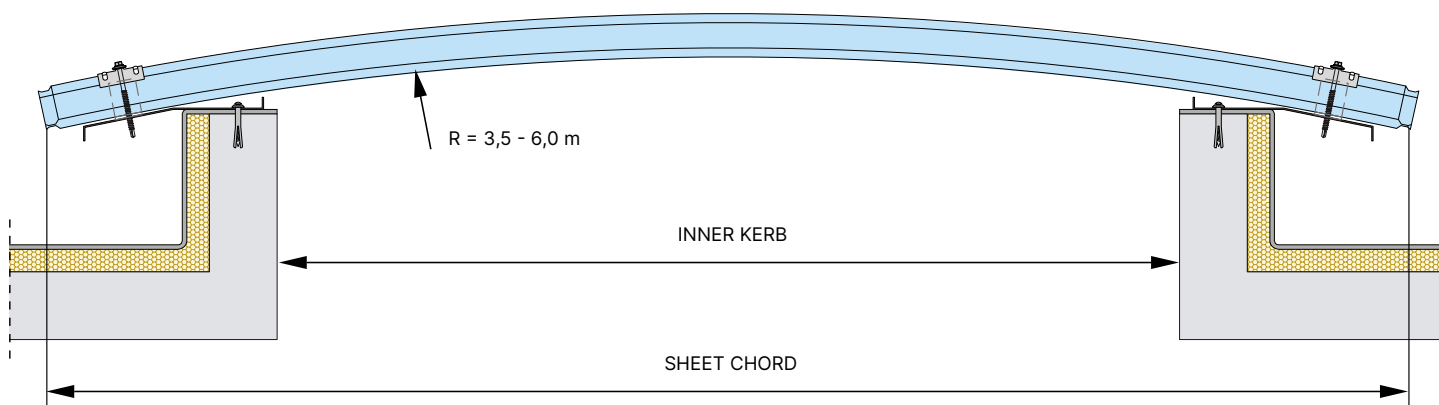
DATA SHEET
GrecaPiù® 40 5



*General data taken from literature

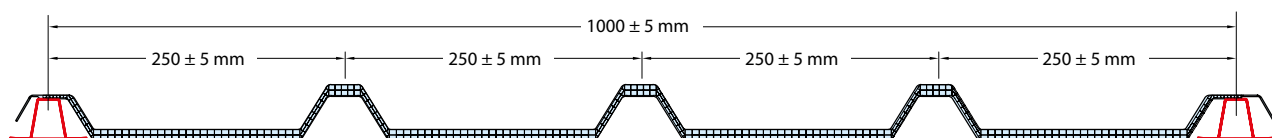
GrecaPiù® 40 5 corrugations curved

Load chart GrecaPiù® 40/8 - 10 - 16 mm curved application (5 corrugations)
radius 6.0 and 3.5 m with reinforcing trapezoidal profile



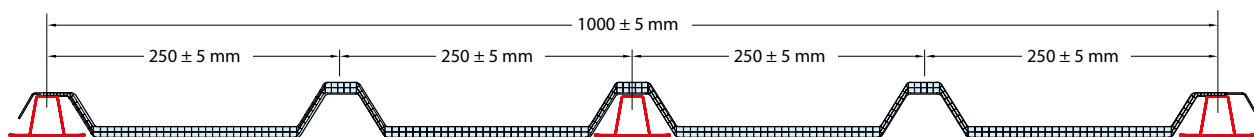
	RADIUS 3,5 m						RADIUS 6,0 m						
CHORD (mm)	1000	1500	2000	2500	3000	3500	1000	1500	2000	2500	3000	3500	4000
DEFLECTION (mm)	35	80	145	230	335	470	21	47	84	132	191	261	343

Joining channel @ 1,0 m centres



Load 100 daN/m ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×
Load 130 daN/m ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×

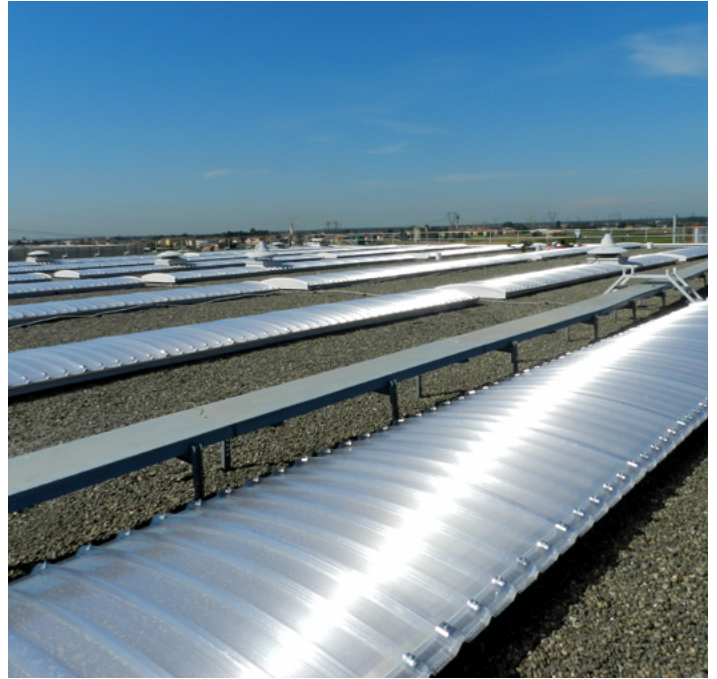
Joining channel @ 0,5 m centres



Load 130 daN/m ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Load 200 daN/m ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×

GrecaPiù® 40 5 corrugations

Curved application



GrecaPiù® 80 5 corrugations

Realisation of skylights and pitched roofing and curved canopies with extruded honeycomb corrugated polycarbonate sheets with:

- Thermosealed ends
- External protection from UV rays
- Satined clear and opal colour
- Useful width mm 1000 ± 5
- Corrugation pitch mm 250
- Multiwall side ribs for overlap
- Customised lengths.

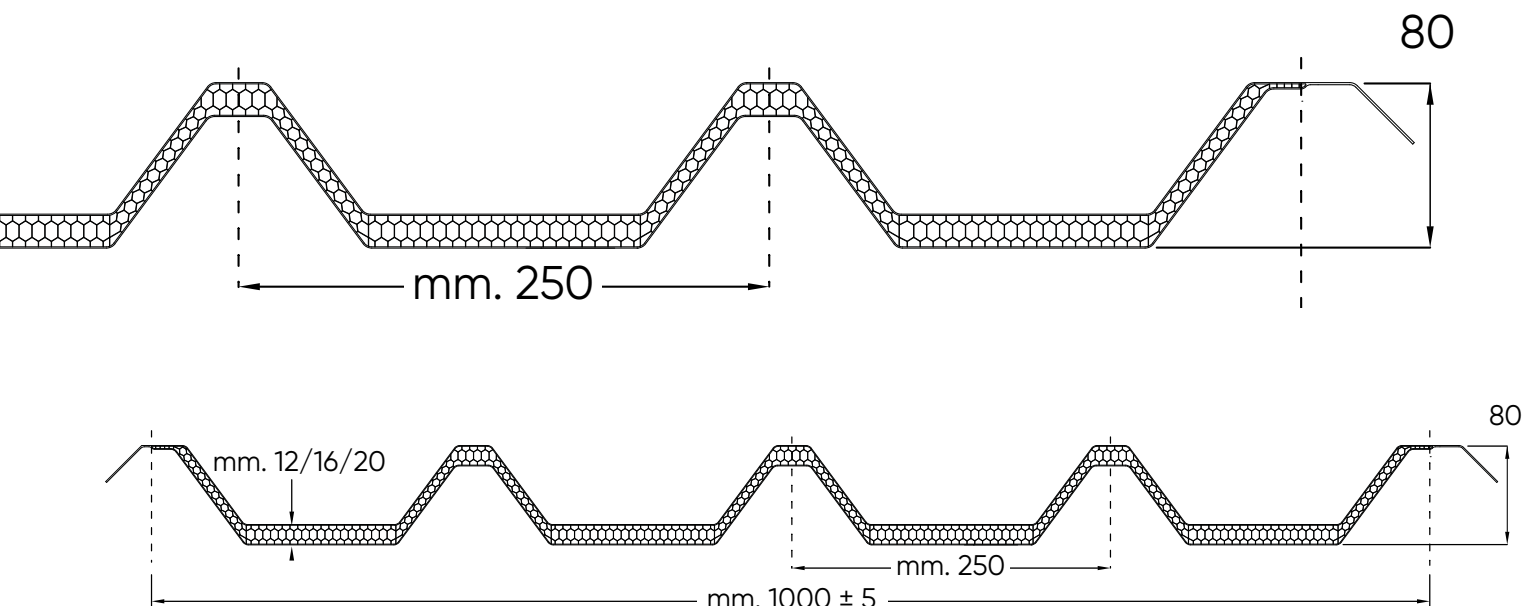
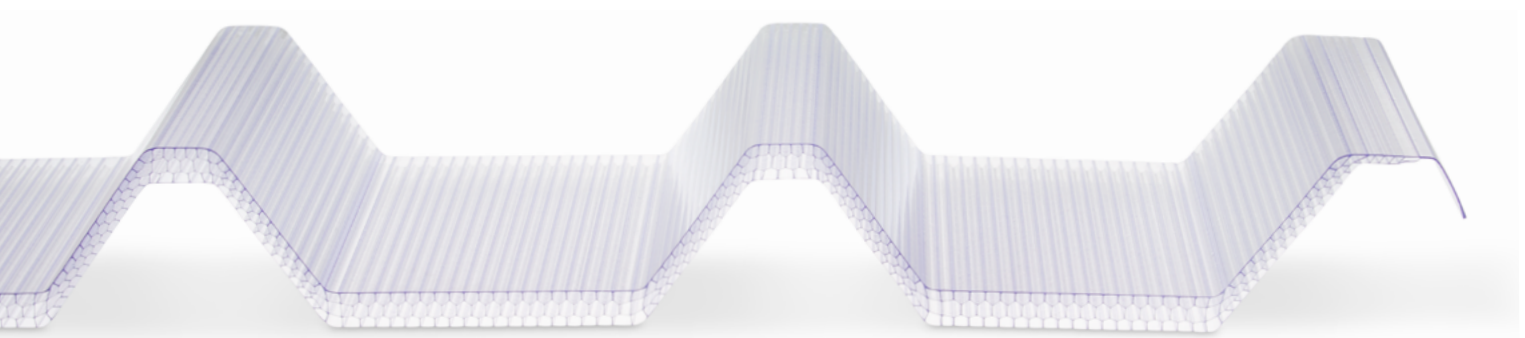
Thermal insulation
 $U = 2,30 - 1,99 - 1,80$
 $W/m^2K.$

12
mm

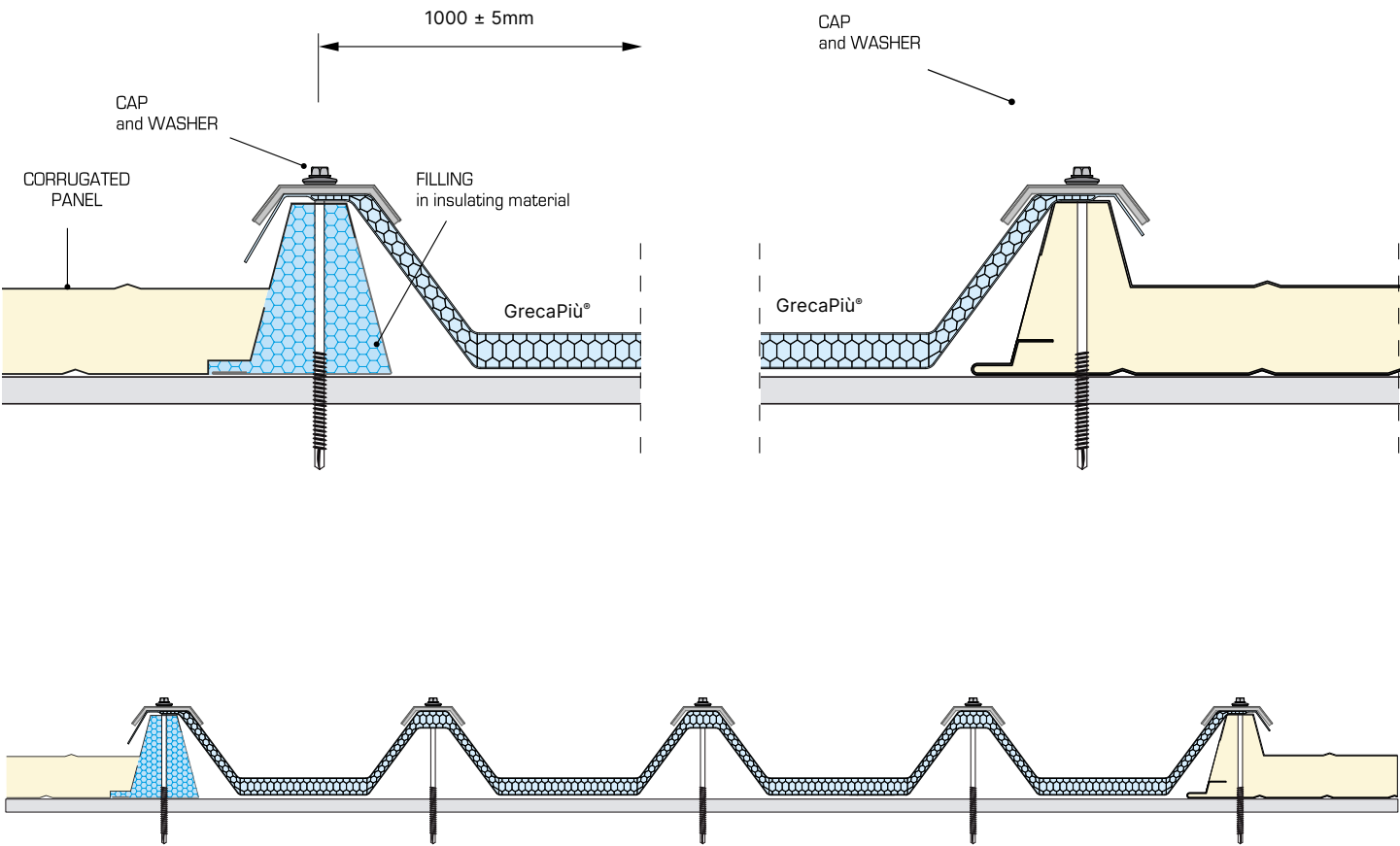
16
mm

20
mm

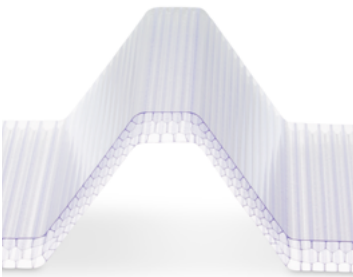
SPECIAL TREATMENTS



Overlap GrecaPiù® 80 5 with corrugated panel



THICKNESS	12 mm	16 mm	20 mm
HEIGHT OF SIDE WAVE	80mm		
STRUCTURE	honeycomb		
USEFUL WIDTH	1000 ± 5 mm		
SHEET LENGTH	upon request (max. length recommended is 7 mtr)		
THERMAL INSULATION	U= 2,30	U= 1,99	U= 1,80
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*		
SATINIZED CLEAR COLOUR	58% ± 2	57% ± 2	52% ± 2
OPAL COLOUR	39% ± 2	37% ± 2	35% ± 2



DATA SHEET
GrecaPiù® 80

* General data taken from literature

GrecaPiù® 28/112 9 corrugations

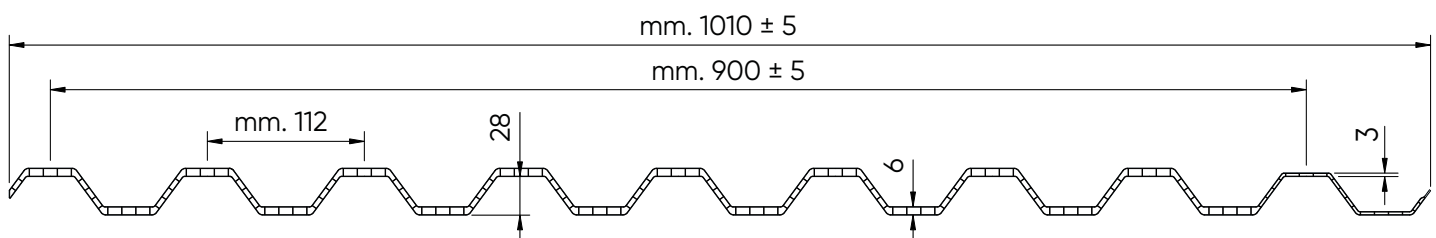
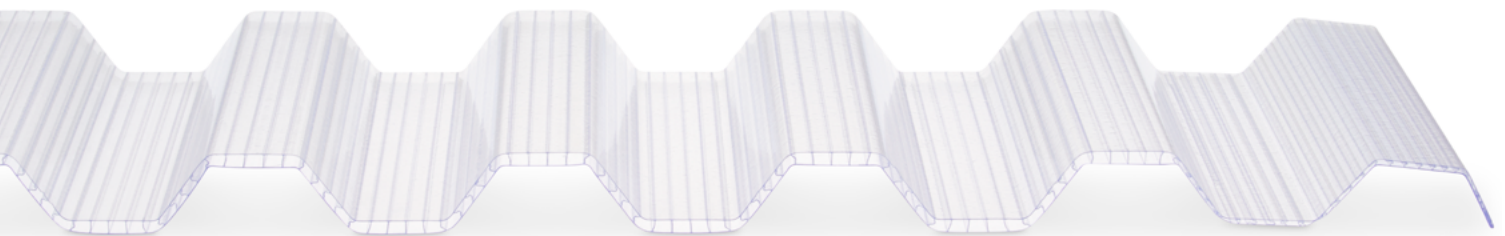
Realisation of skylights and pitched roofing and curved canopies with extruded twinwall corrugated polycarbonate sheets with:

- Thermosealed ends
- External protection from UV rays
- Satined clear and opal colour
- Useful width mm 1000 ± 5
- Corrugation pitch mm 112
- Multiwall side ribs for overlap
- Customised lengths.

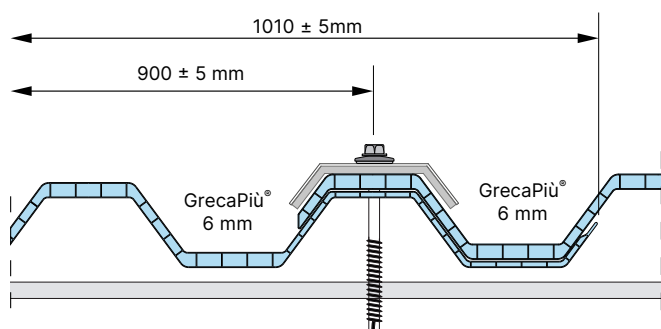
Thermal insulation
 $U = 3,50 \text{ W/m}^2\text{K}$.

6
mm

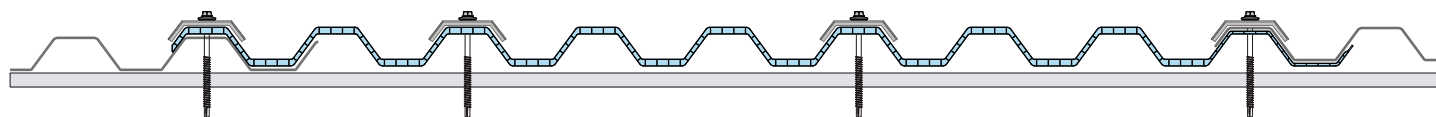
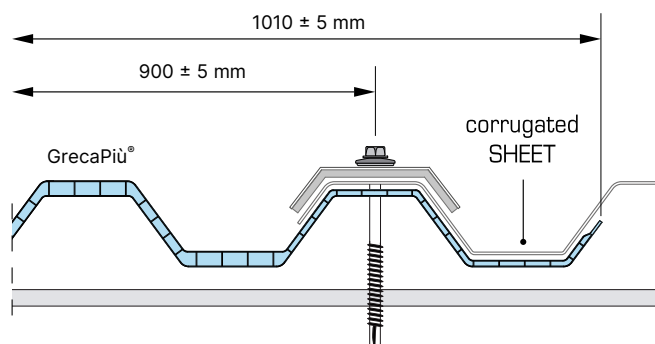
SPECIAL TREATMENTS



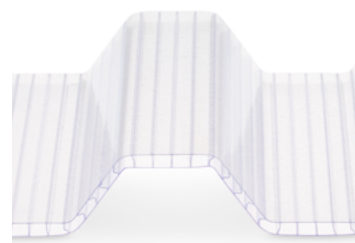
Overlap two sheets
GrecaPiù® 28/112 9 corrugations



Overlap
GrecaPiù® 28/112 with corrugated sheet



THICKNESS	6 mm
HEIGHT OF SIDE WAVE	28 mm
STRUCTURE	twinwall
USEFUL WIDTH	900 ± 5 mm
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 3,50
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*
SATINIZED CLEAR COLOUR	80% ± 2
OPAL COLOUR	53% ± 2



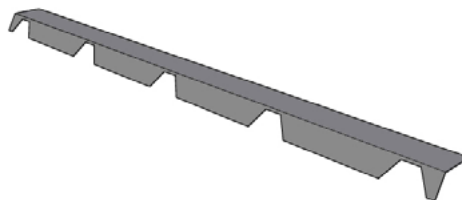
DATA SHEET
GrecaPiù® 28/112



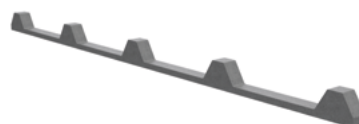
*General data taken from literature

ACCESSORIES GrecaPiù® 40

SINGLE RIDGE GrecaPiù® 40
IN PRE-PAINTED STEEL



LOWER EAVES FILLER
GrecaPiù® 40 PE 33 BLACK
mm 35 × 7 h

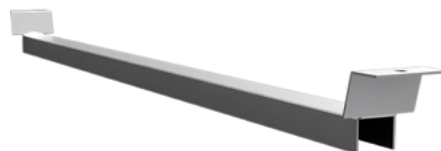


UPPER EAVES FILLER
GrecaPiù® 40 PE 33 BLACK
mm 35 × 7 h



METAL PURLIN

Curved Application



METAL SPACER

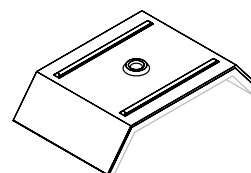


ADHESIVE RUBBER GASKET
PE 33 BLACK
SECTION 20 × 10 mm



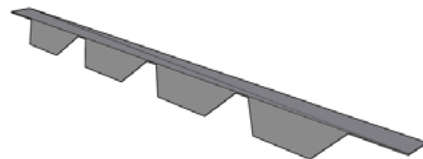
LONG SCREW
FOR FIXING ON
HIGHER RIB
+ WASHER

RECTANGULAR
CAP

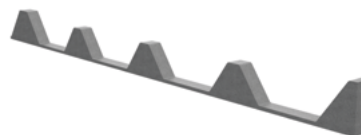


ACCESSORIES GrecaPiù® 80

SINGLE RIDGE GrecaPiù® 80
IN PRE-PAINTED STEEL



LOWER EAVES FILLER
GrecaPiù® 80 PE 33 BLACK
mm 35 × 7 h



UPPER EAVES FILLER
GrecaPiù® 80 PE 33 BLACK
mm 35 × 7 h



ADHESIVE GASKET PE
33 BLACK SECTION 20 X 10 mm

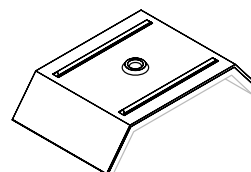


METAL SPACER



LONG SCREW
FOR FIXING ON
HIGHER RIB
+ WASHER

RECTANGULAR CAP



JackPiù®, available in a flat version, is self-extinguishing and characterised by an excellent aesthetic effect that allows a flat view of the sheet. This ensures greater light diffusion and distribution. Ideal for skylights and flat translucent roofing combined with corrugated panels in single application.

Thermal Insulation
 $U = 1,35 - 1,15 \text{ W/m}^2\text{K}$

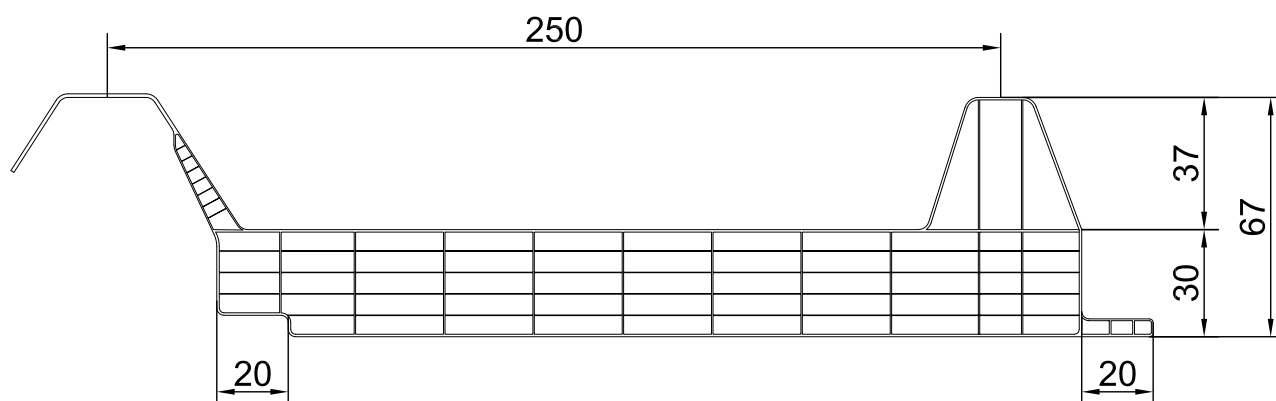
30
mm

40
mm

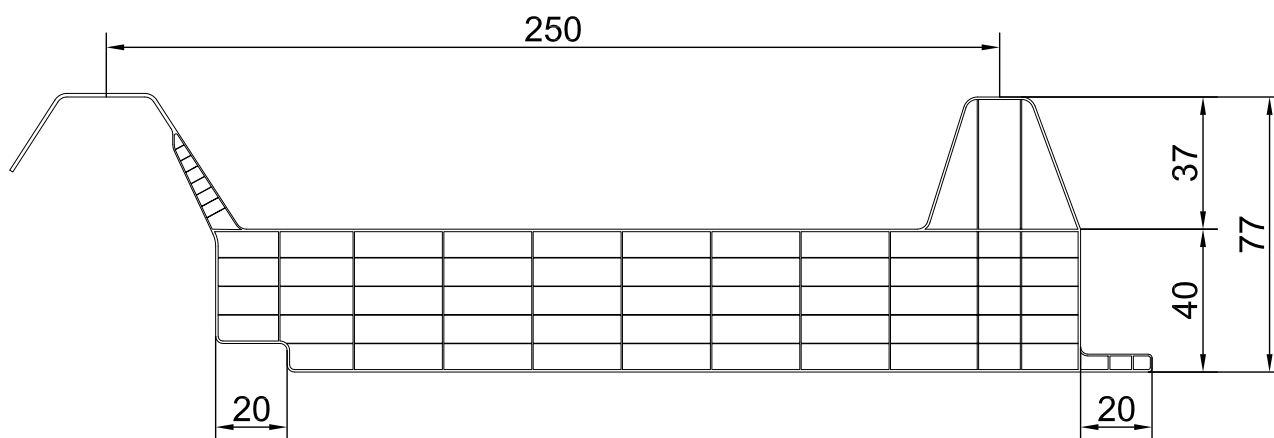
SPECIAL TREATMENTS



Jackpiù® 30mm



Jackpiù® 40mm



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

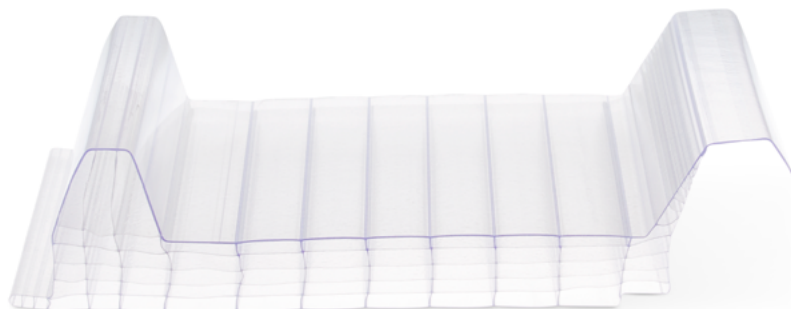
High light transmission

Ease / Economy of installation

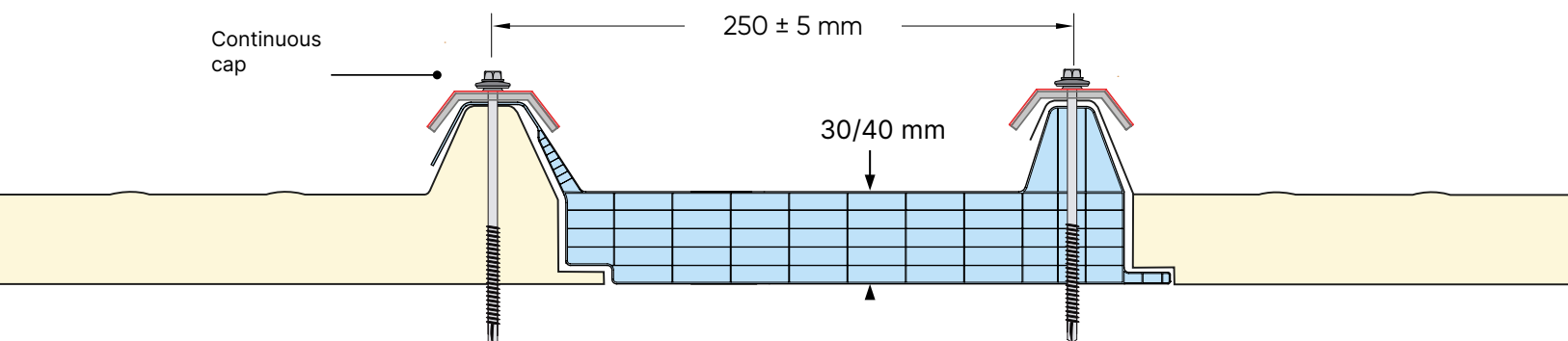
Possibility of longitudinal/transversal overlap

UV protection

System complete with accessories



Single application JackPiù®



THICKNESS	30 mm	40 mm
STRUCTURE	6 walls	
USEFUL WIDTH	250 ± 5 mm	
END SEALING	taped ends	
SHEET LENGTH	upon request (max. length recommended is 7 mtr)	
THERMAL INSULATION	U= 1,35	U= 1,15
TEMPERATURE WORKING RANGE	- 40°C + 130° C	
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*	
SATINIZED CLEAR COLOUR	59% ± 2	54% ± 2
OPAL COLOUR	40% ± 2	39% ± 2

DATA SHEET
JackPiù®



* General data taken from literature

GPPIù® is a corrugated modular system in multiwall polycarbonate for the realization of skylights and translucent flat roofs combined with corrugated panels in single application. The peculiarity of GPPIù® is its particular corrugated side ends and its smoothness.

This corrugated polycarbonate sheet has a 7-wall structure with a 1000mm width and is available in the 30 and 40 mm thicknesses.

Thermal Insulation
 $U = 1,32 - 1,08$
 W/m^2K

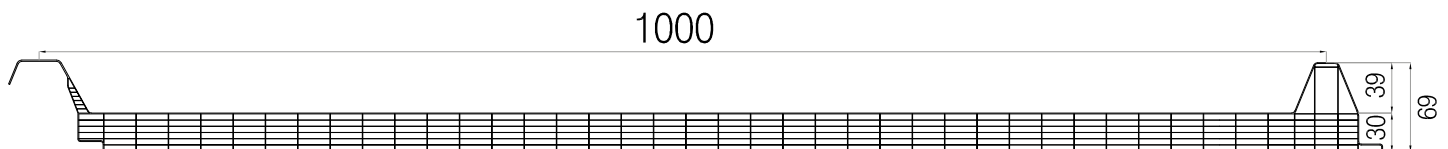
30
mm

40
mm

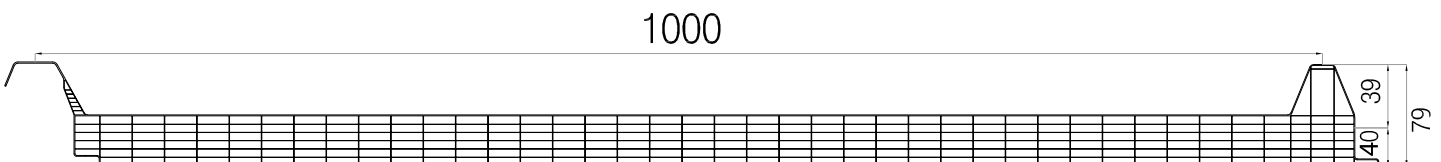
SPECIAL TREATMENTS



GPPIù® 30mm

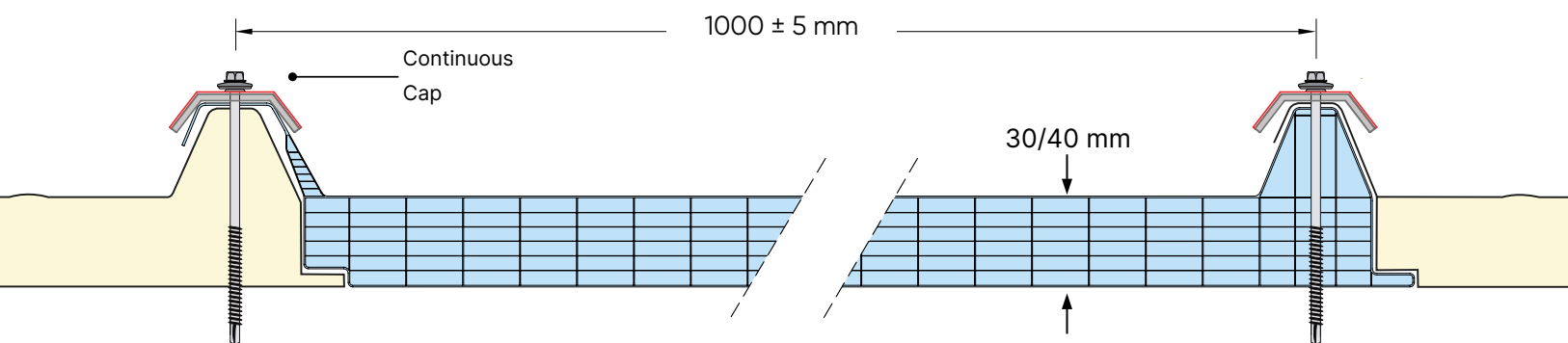


GPPIù® 40mm





Single Application GPPIù®



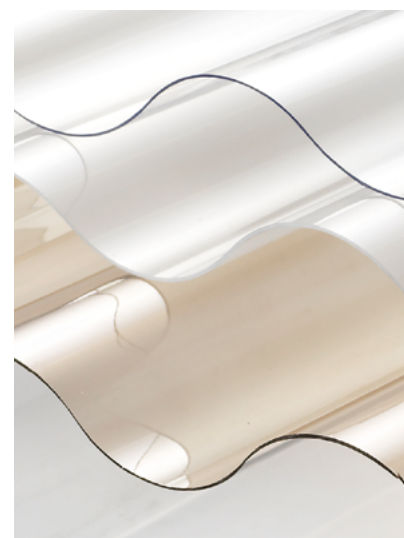
THICKNESS	30 mm	40 mm
STRUCTURE	7 walls	
USEFUL WIDTH	1000 ± 5 mm	
END SEALING	taped ends	
SHEET LENGTH	upon request (max. length recommended is 7 mtr)	
THERMAL INSULATION	U= 1,32	U= 1,08
TEMPERATURE WORKING RANGE	- 40°C + 130° C	
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*	
SATINIZED CLEAR COLOUR	54% ± 2	54% ± 2
OPAL COLOUR	24% ± 2	24% ± 2

DATA SHEET
GPPIù®

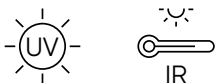


*General data taken from literature

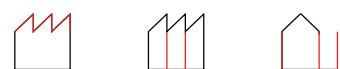
LightPiù® is an innovative compact polycarbonate product that offers the versatility of being available in various corrugated profiles. Suitable for both flat and curved rooflights, it can be produced in different colours that can be combined with sheets or panels in the most diverse types of roofing. **LightPiù®** polycarbonate panels have excellent physical and mechanical properties, such as impact resistance and high elasticity as well as high light transmission. **Greca and Onda 76/18** profiles are also available with an embossed and prismatic finish. These sheets provide not only solidity, strength and load resistance, but also a modern and elegant appearance for all kinds of projects.



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

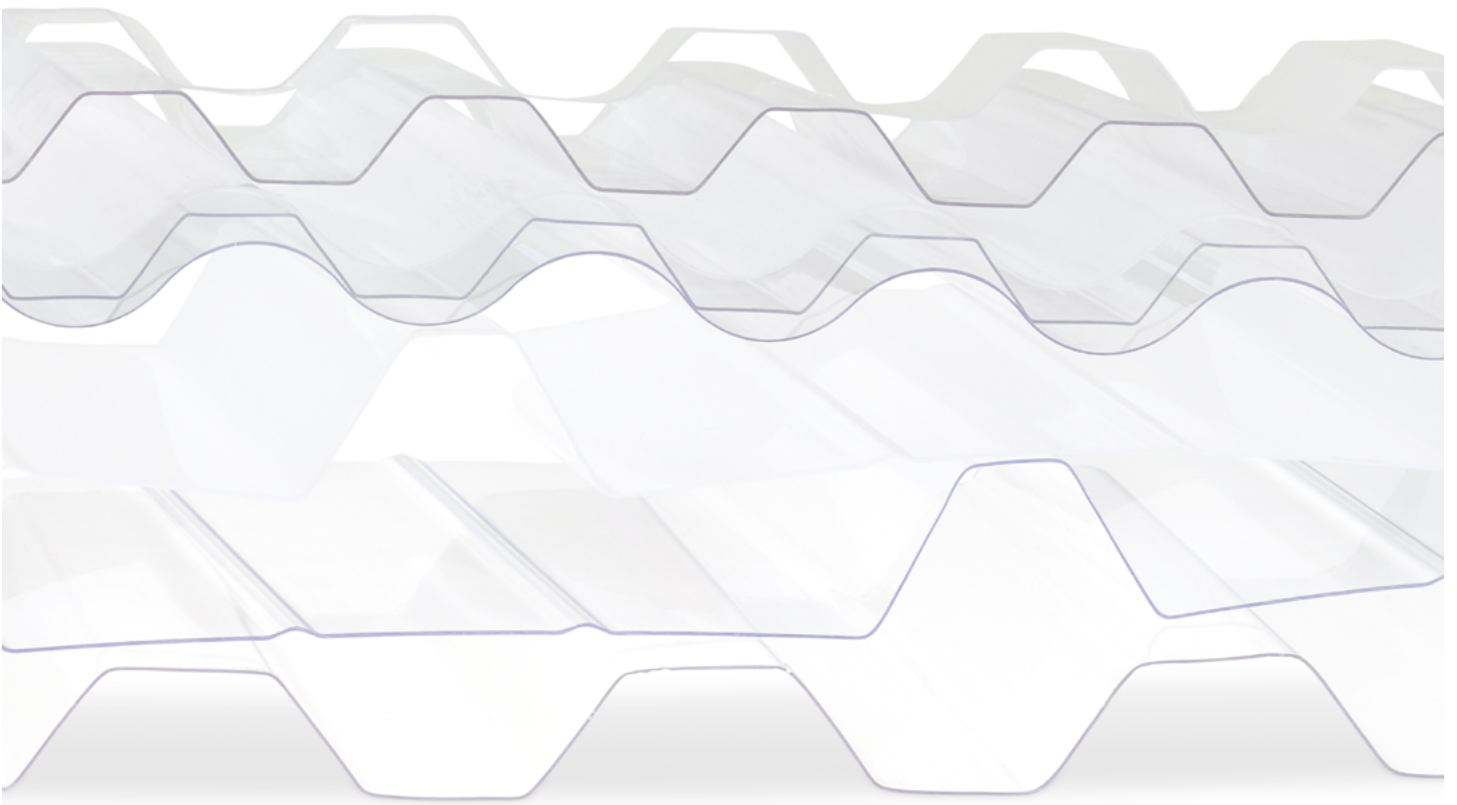
Good light transmission

Ease/cheapness of fitting

Option of longitudinal/transversal overlap

UV protection

System complete with accessories



LightPiù®

Realisation of skylights, pergolas, canopies, cantilever roofs, verandas, greenhouses, pitched roofing and curved canopies with extruded corrugated sheets in solid polycarbonate with:

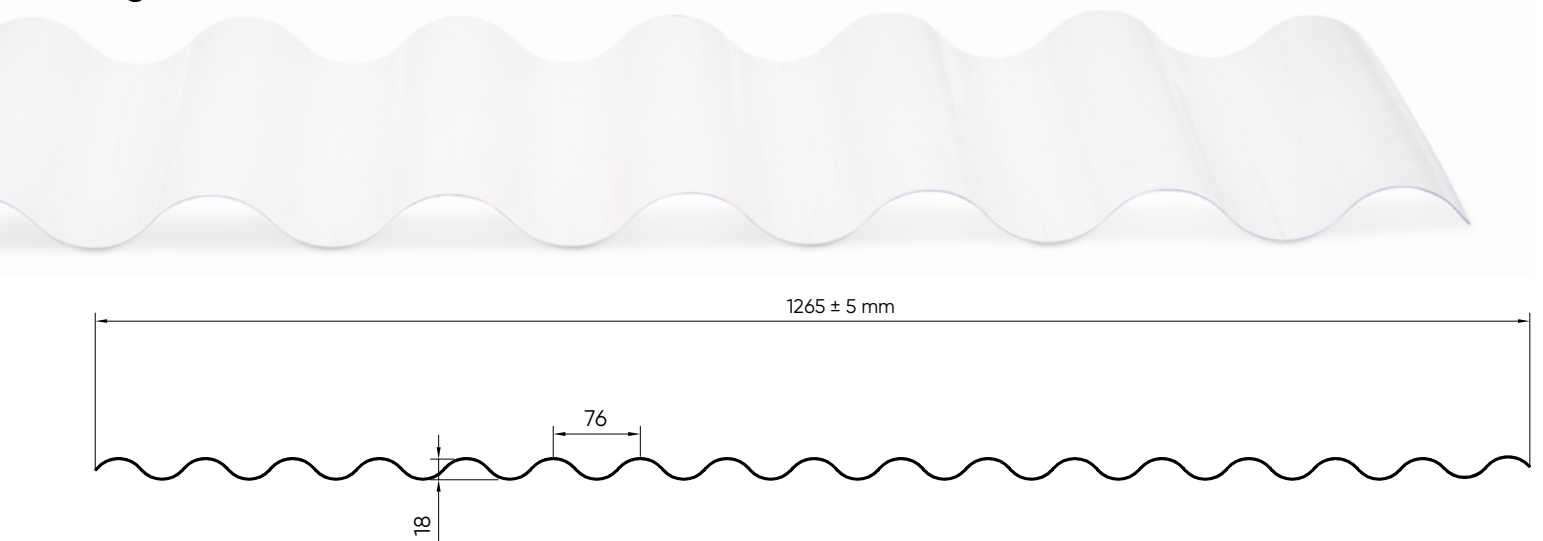
- External protection from UV rays
- UV protection on both sides upon request.
- Clear and opal colour.
- Customised lengths.

Thermal Insulation
 $U = 5,70 \text{ W/m}^2\text{K}$.

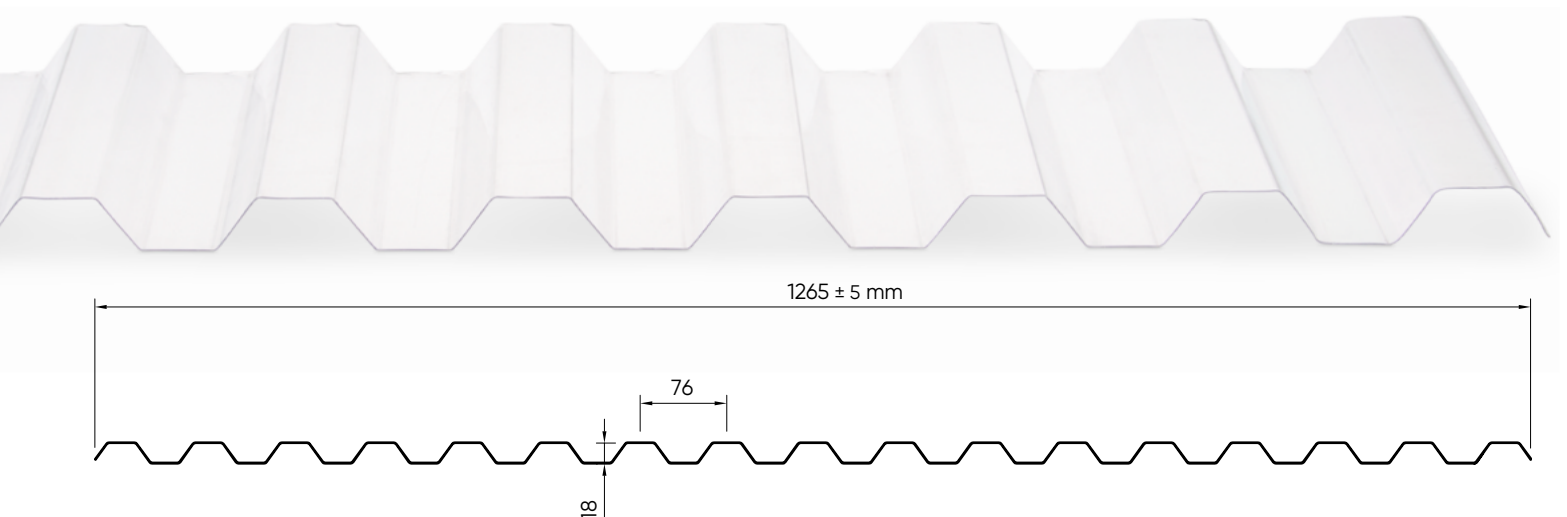
SPECIAL TREATMENTS



LightPiù® Onda 76/18



LightPiù® Greca 76/18





Fixing detail



Fixing screw



Support for onda 76/18

THICKNESS	0,5 ~ 2,0* mm *available upon request in minimum quantities
STRUCTURE	solid sheet
TOTAL WIDTH	depending on profile
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 5,70 W/m²K
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*
SATINIZED CLEAR COLOUR	89% ± 2
OPAL COLOUR	71% ± 2

DATA SHEET
LightPiù®
Onda 76/18



DATA SHEET
LightPiù®
Greca 76/18



*General data taken from literature

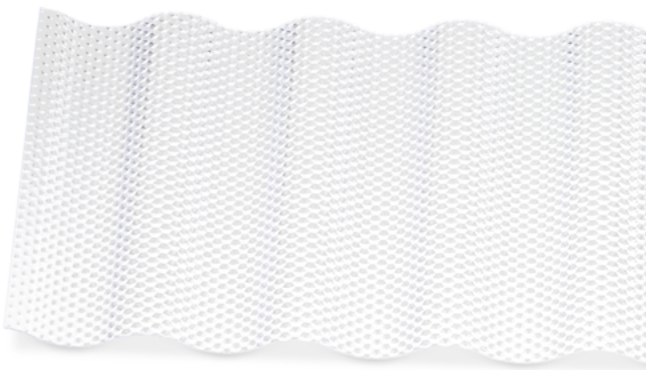
LightPiù® Embossed 1,0 mm Thickness

LightPiù® Embossed is a product available in Greca and Onda 76/18 profiles. The orange-peel pattern on the outside of the sheets makes it an ideal solution for creating skylights, pergolas, verandas or greenhouses with a sophisticated profile that diffuses light evenly and less directly. It can be extruded in corrugated form and can be customised in neutral, opal, bronze or any other colour required.



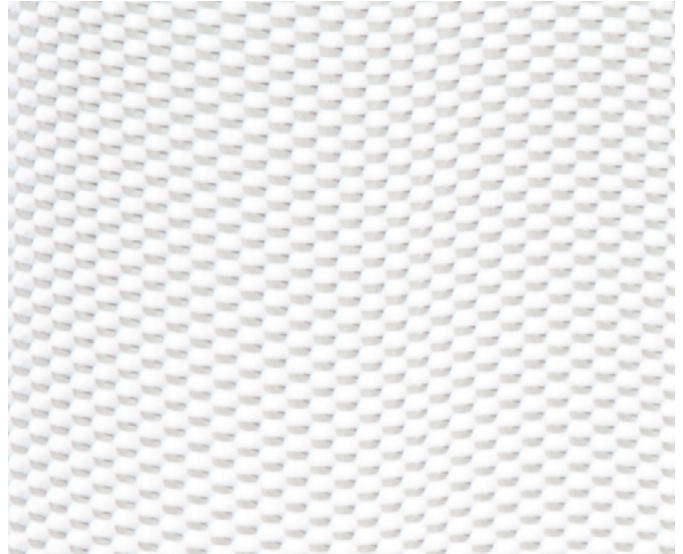
LightPiù® Luxe 2,6~3,0 mm Thickness

LightPiù® Luxe have a diamond finish that makes them perfect for both indoor and outdoor architectural projects. They are made of strong and durable materials and feature a Luxe finish composed of small prisms that refract light on the outside of the sheet. These sheets provide not only solidity, strength and load resistance, but also a modern and elegant appearance for all kinds of projects.



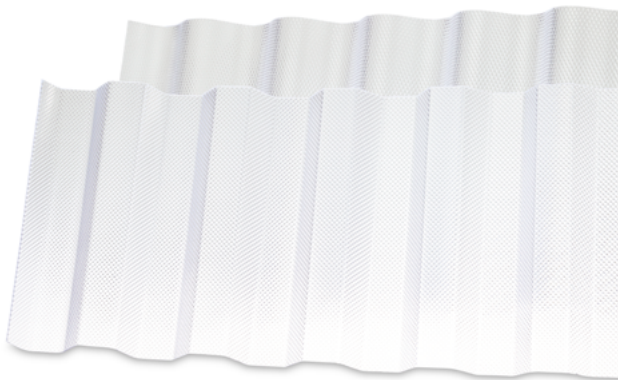
LightPiù® Microluxe 1,3 mm Thickness

The LightPiù® Microluxe sheet features a small hexagonal prism finish on the outside of the sheet that makes it extremely elegant. It is available in Greca and Onda 76/18 profiles. Thanks to its UV protection, it can be used outdoors, but is also ideal for interior design projects. With a thickness of 1.3 mm, it provides excellent impact resistance and flexibility, adapting to a wide variety of applications.



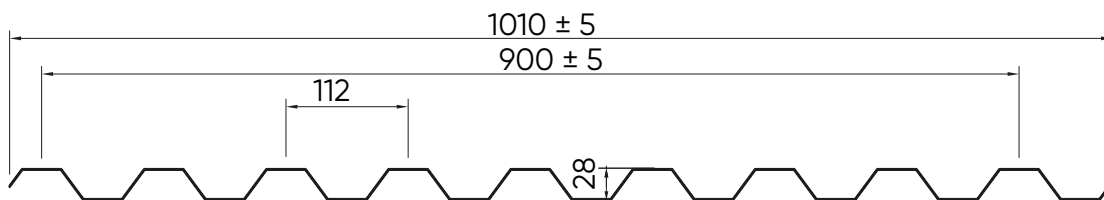
LightPiù® Micro Rombo 1,3 mm Thickness

LightPiù® Microrombo is a sheet available in the Greca and Onda 76/18 profiles. One surface of the sheet features a rhomboid prism pattern on the outside of the sheet that enhances its appearance while allowing for more diffuse light. It can be used either outdoors, thanks to its UV protection, or indoors. Like the similarly shaped sheets, although designed for roof applications, it is also well suited for wall application.

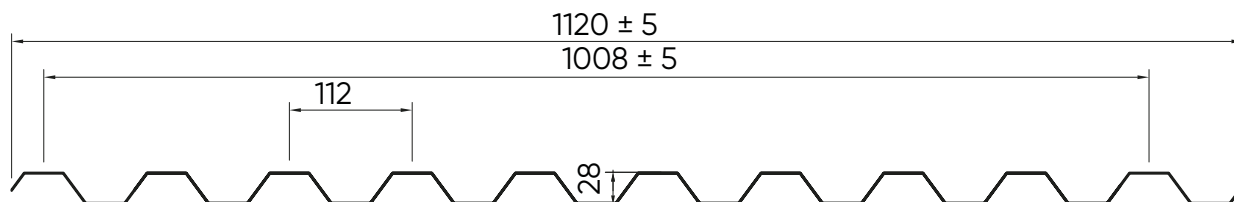


PROFILE	THICKNESS (mm)	PROFILE	THICKNESS (mm)
GRECA ALUBEL 28/112 11 CORRUGATIONS	1 mm	COVERIB 1000	1 mm
GRECA ALUBEL 28/112 10 CORRUGATIONS	1 mm	ALUBEL DACH	1 mm
GRECA ALUBEL 28/112 9 CORRUGATIONS	1 mm	ISOCOPRE / PROFILCASTELLO 6 CORRUGATIONS	1 mm
GRECA 20/75 16 CORRUGATIONS	1 mm	METECNO	1 mm
GRECA ALUBEL 21/78	1 mm	EGB 401	1 mm
GRECA 76/18	0,8 mm	EUROFIRE	1 mm
ONDA 76/18	0,8 mm	EUROCOPE	1 mm
ONDA 177/51	1 mm	POLYPIVA	1 mm
LATTONEDIL 5 CORRUGATIONS	1 mm	SILEX	1 mm
ITALPANNELLI 5 CORRUGATIONS	1 mm	SAND 35 6 CORRUGATIONS	1 mm
MARCEGAGLIA TK5 5 CORRUGATIONS	1 mm	SAND 35 7 CORRUGATIONS	1 mm
ISOLPACK 5 CORRUGATIONS	1 mm	SAND 40	1 mm
ISOPAN 5 CORRUGATIONS	1 mm	SAND 27	1 mm
COVERIB 850	1 mm	SILMA 6	1 mm

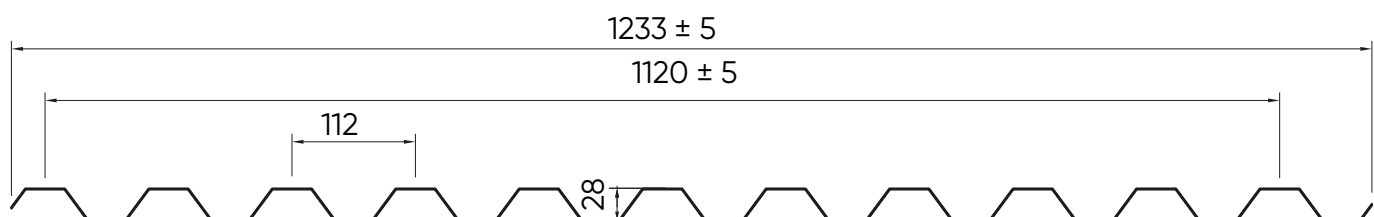
GRECA ALUBEL 28/112 9 corrugations Thickness 1 mm



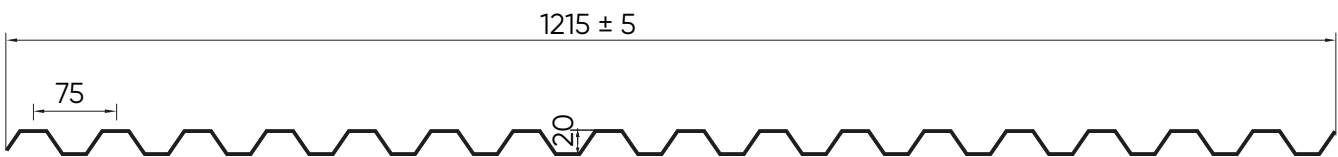
GRECA ALUBEL 28/112 10 corrugations Thickness 1 mm



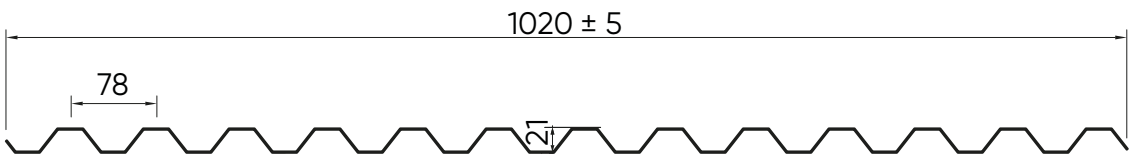
GRECA ALUBEL 28/112 11 corrugations Thickness 1 mm



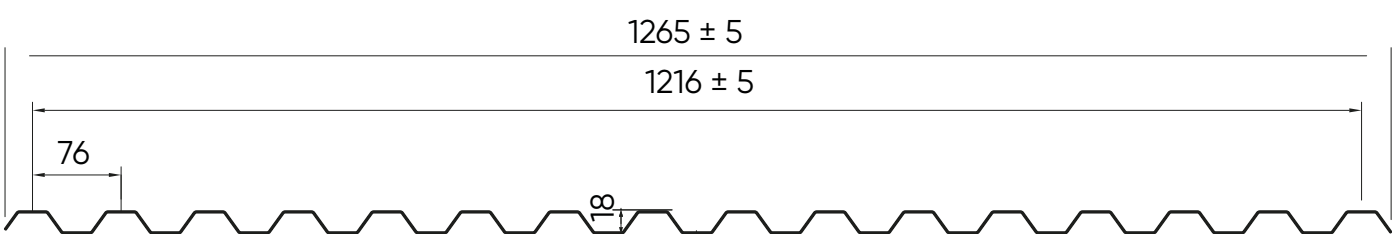
GRECA 20/75 16 corrugations Thickness 1 mm



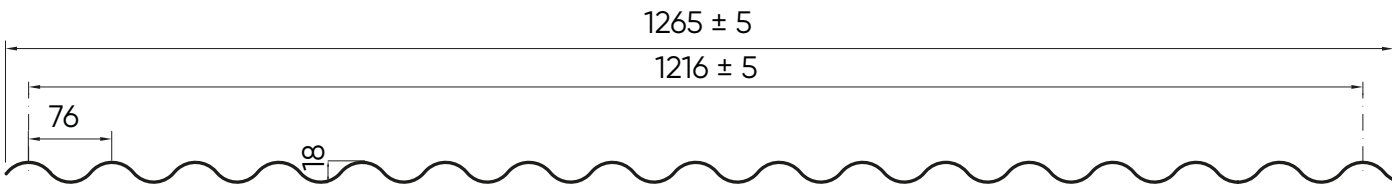
GRECA ALUBEL 21/78 Thickness 1 mm



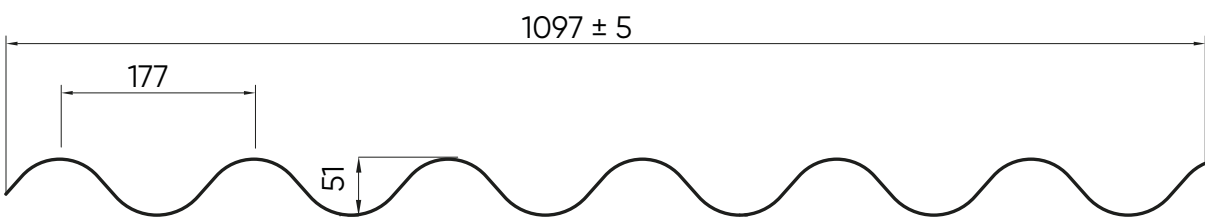
GRECA 76/18 Thickness 0,8 mm



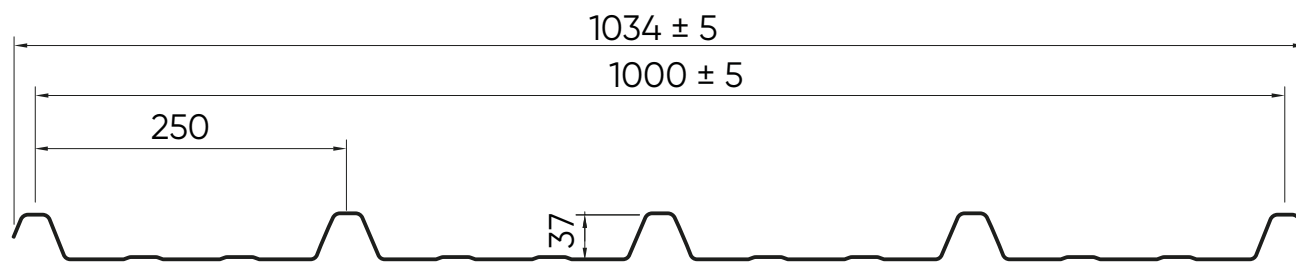
ONDA 76/18 Thickness 0,8 mm



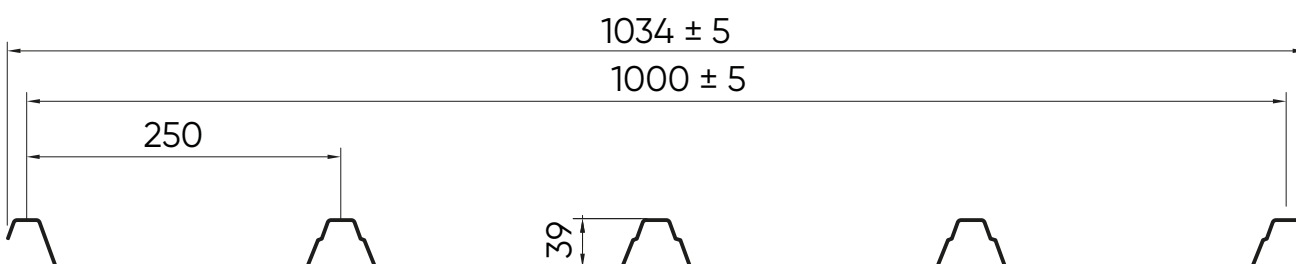
ONDA 177/51 Thickness 1 mm



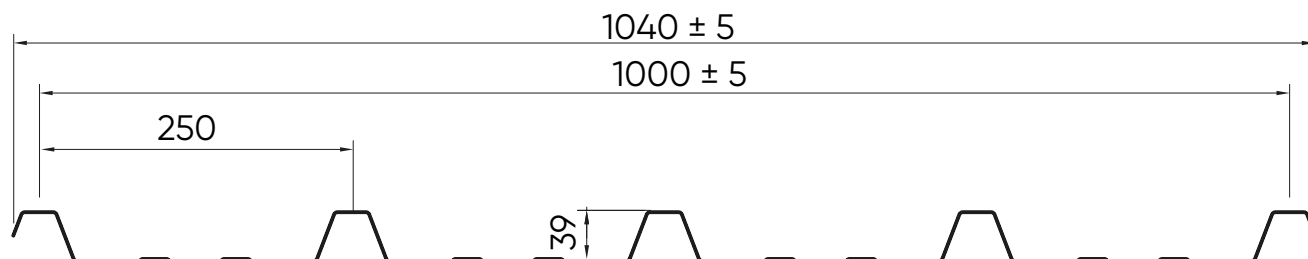
LATTONEDIL 5 corrugations Thickness 1 mm



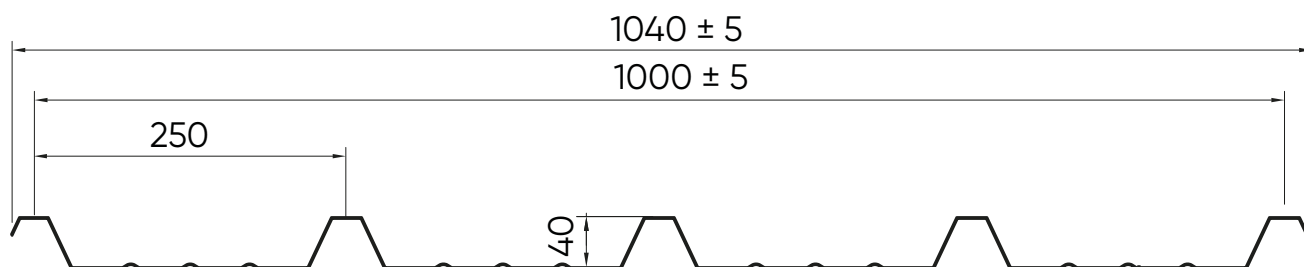
ITALPANNELLI 5 corrugations Thickness 1 mm



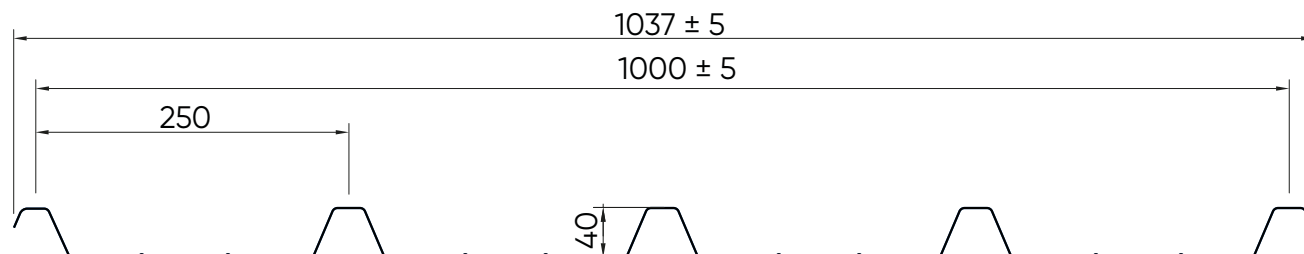
MARCEGAGLIA TK5 5 corrugations Thickness 1 mm



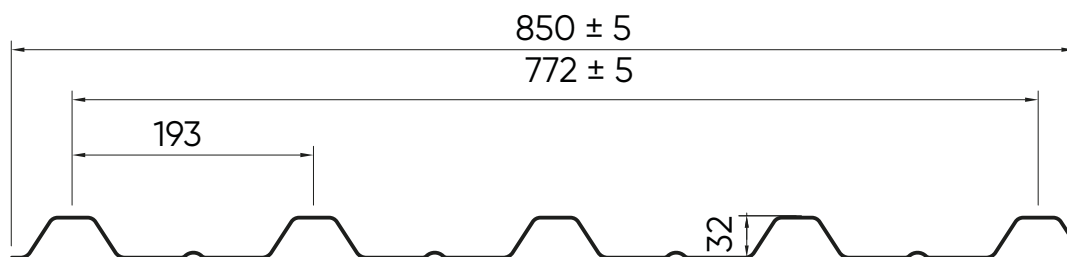
ISOLPACK 5 corrugations Thickness 1 mm



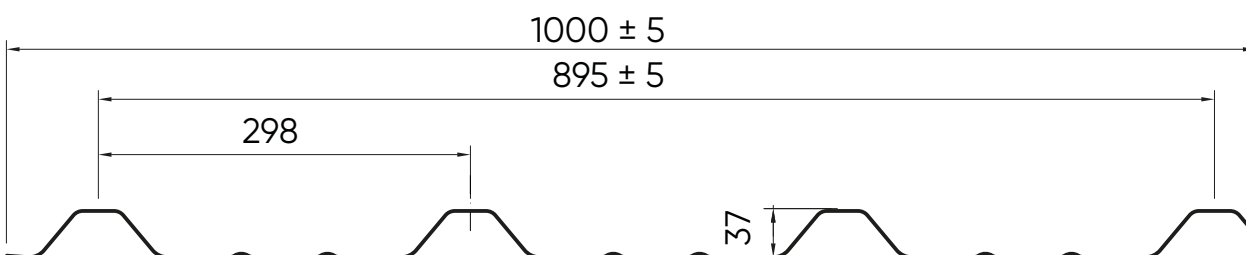
ISOPAN 5 corrugations Thickness 1 mm



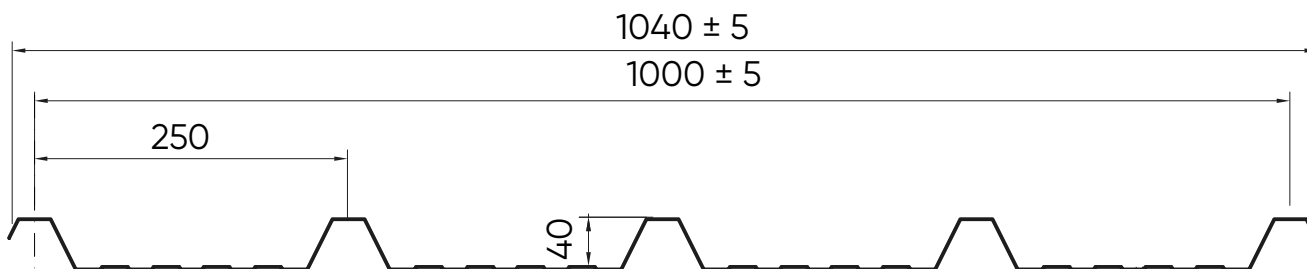
COVERIB 850 Thickness 1 mm



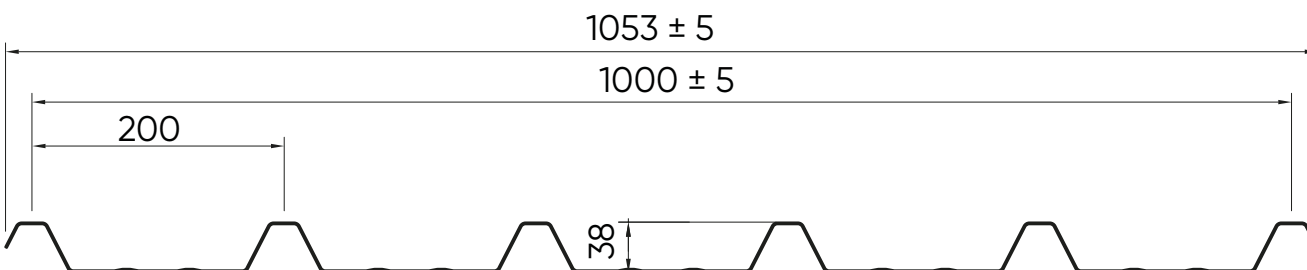
COVERIB 1000 Thickness 1 mm



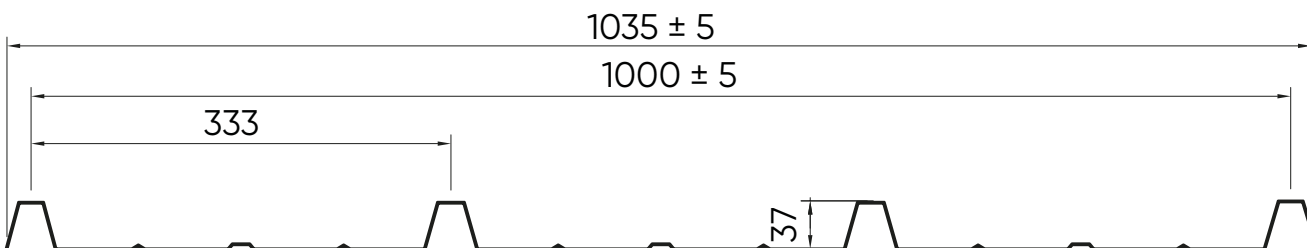
ALUBEL DACH Thickness 1 mm



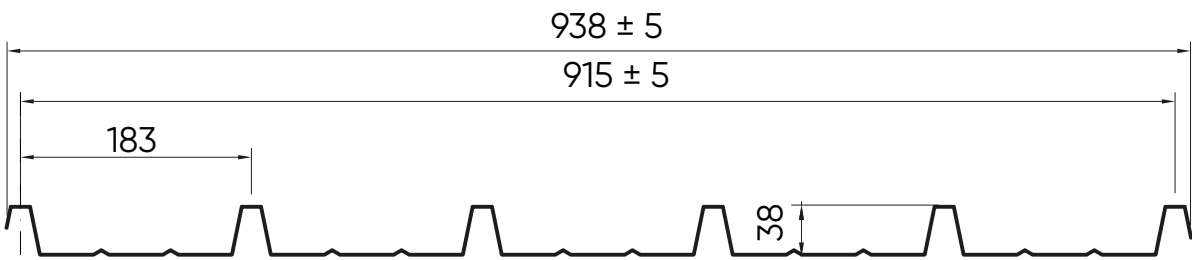
ISOCOPRE/PROFILCASTELLO 6 corrugations Thickness 1 mm



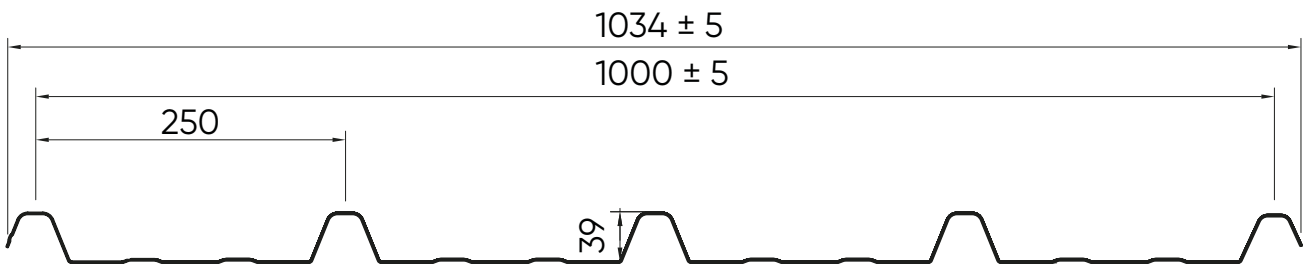
METECNO Thickness 1 mm



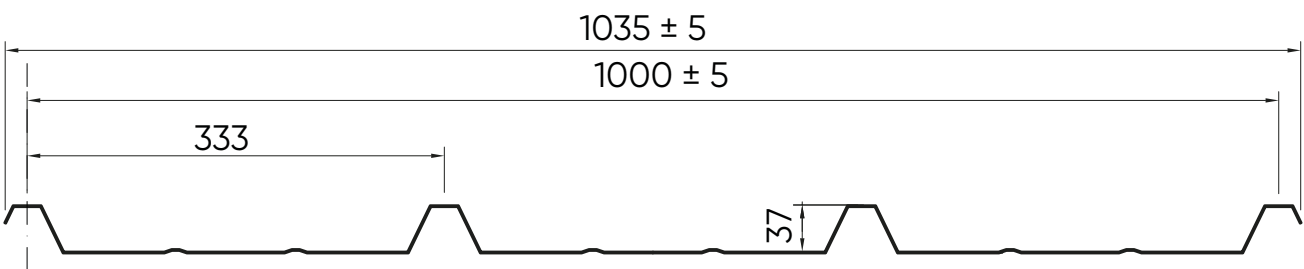
EGB 401 Thickness 1 mm



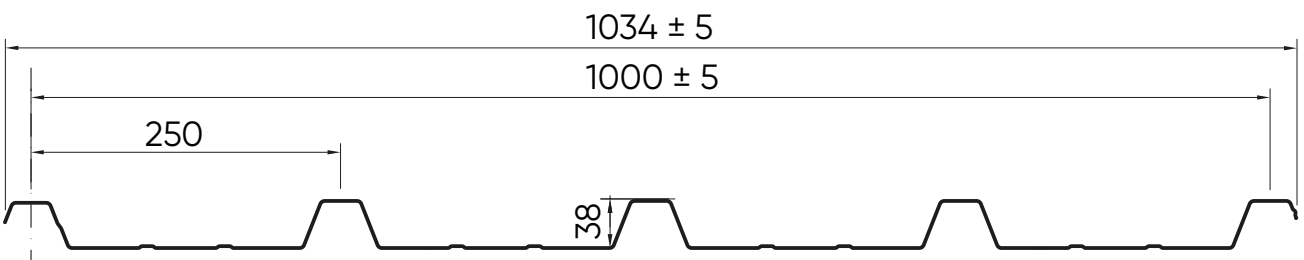
EUROFIRE Thickness 1 mm



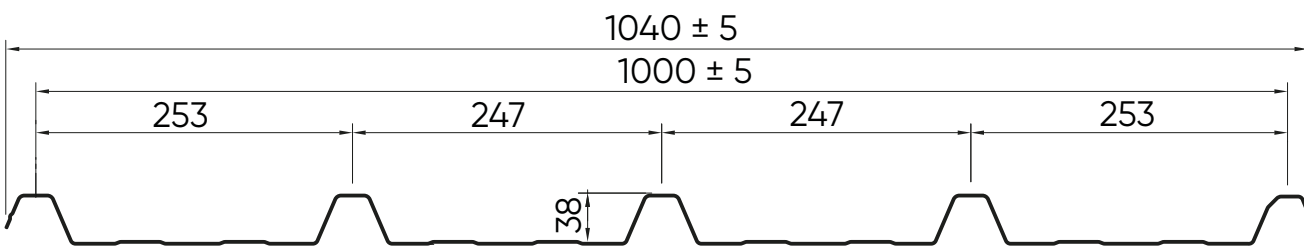
EUROCOPRE Thickness 1 mm



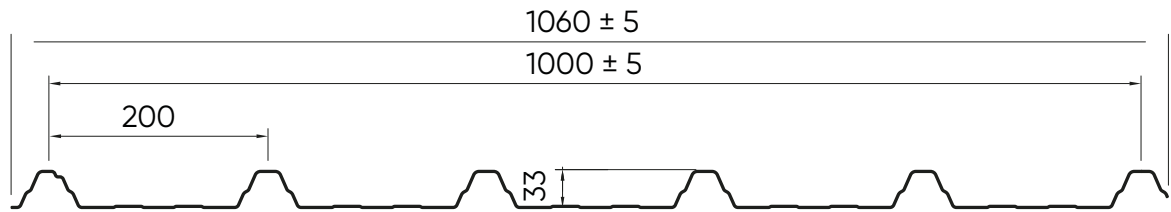
POLYPIVA Thickness 1 mm



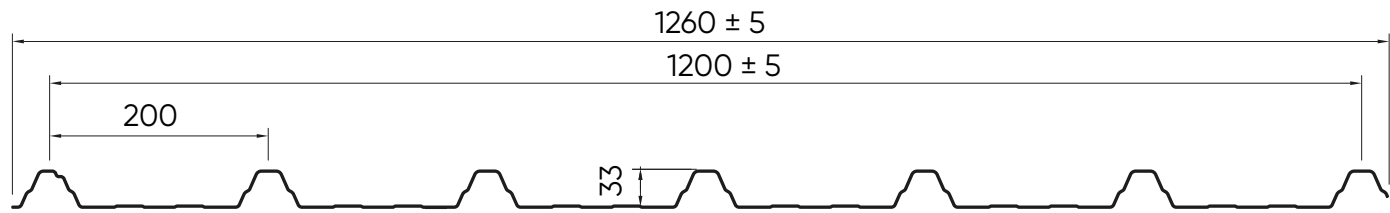
SILEX Thickness 1 mm



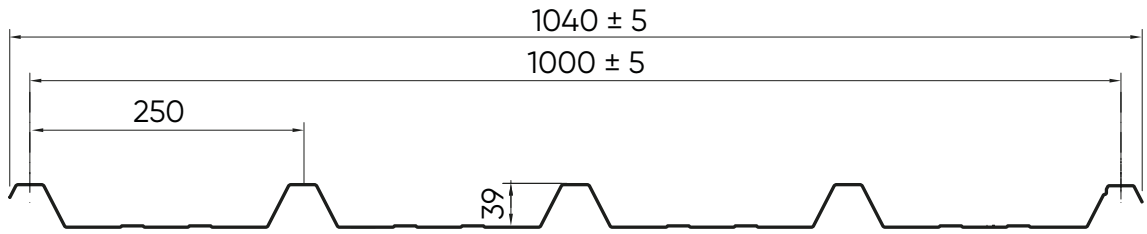
SAND 35 6 corrugations Thickness 1 mm



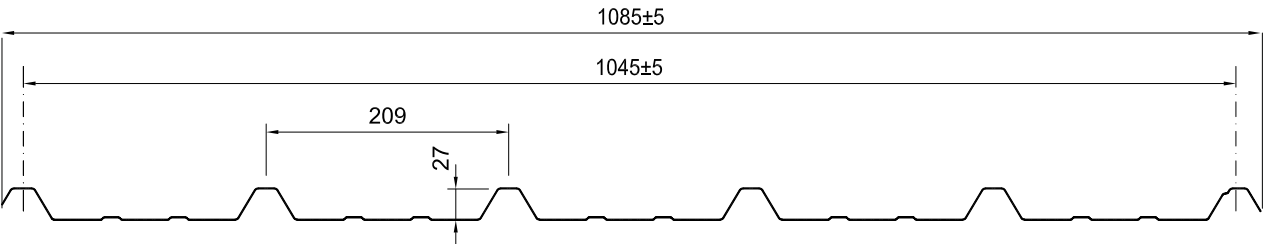
SAND 35 7 corrugations Thickness 1 mm



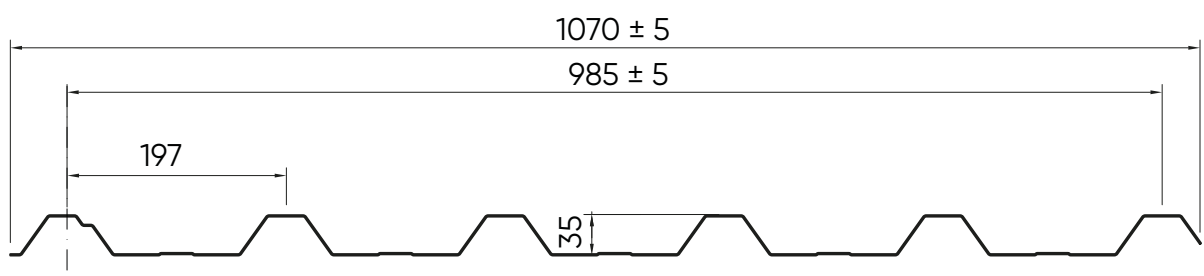
SAND 40 Thickness 1 mm



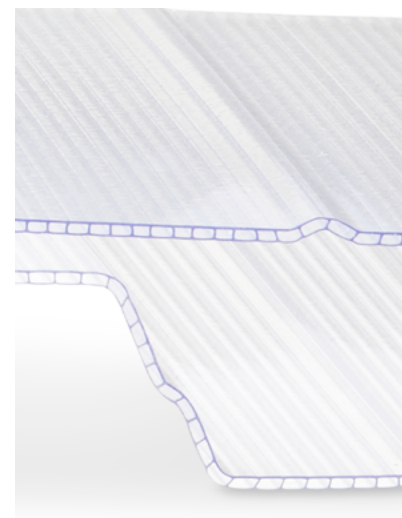
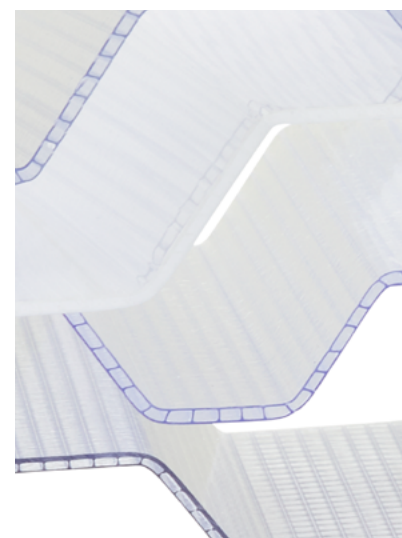
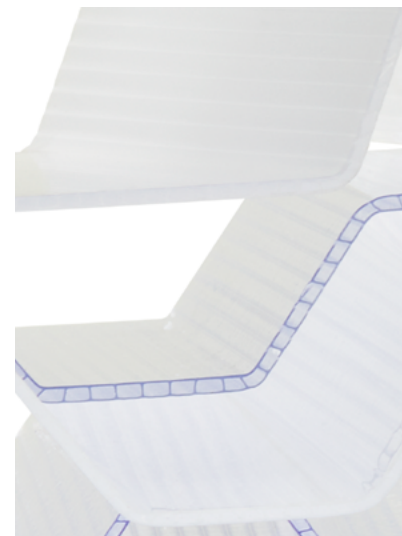
SAND 27 Thickness 1 mm



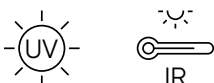
SILMA 6 Thickness 1 mm



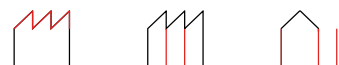
Sheets in **SmartPiù[®]** multiwall polycarbonate feature the possibility of being extruded in different shapes and sizes, to be able to be overlapped to the most popular sheets and roofing panels on the market. **SmartPiù[®]** are therefore highly versatile, also due to their reduced thickness of just 2.5 mm (+/- 0.5) that provides utmost freedom in the overlaps, while their multiwall structure offers better thermal transmittance, less condensation and a load capacity higher than products with single wall, such as fiberglass. **SmartPiù[®]** is an excellent solution for whoever is looking for a product that combines quality with style at low cost.



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Available flat or curved

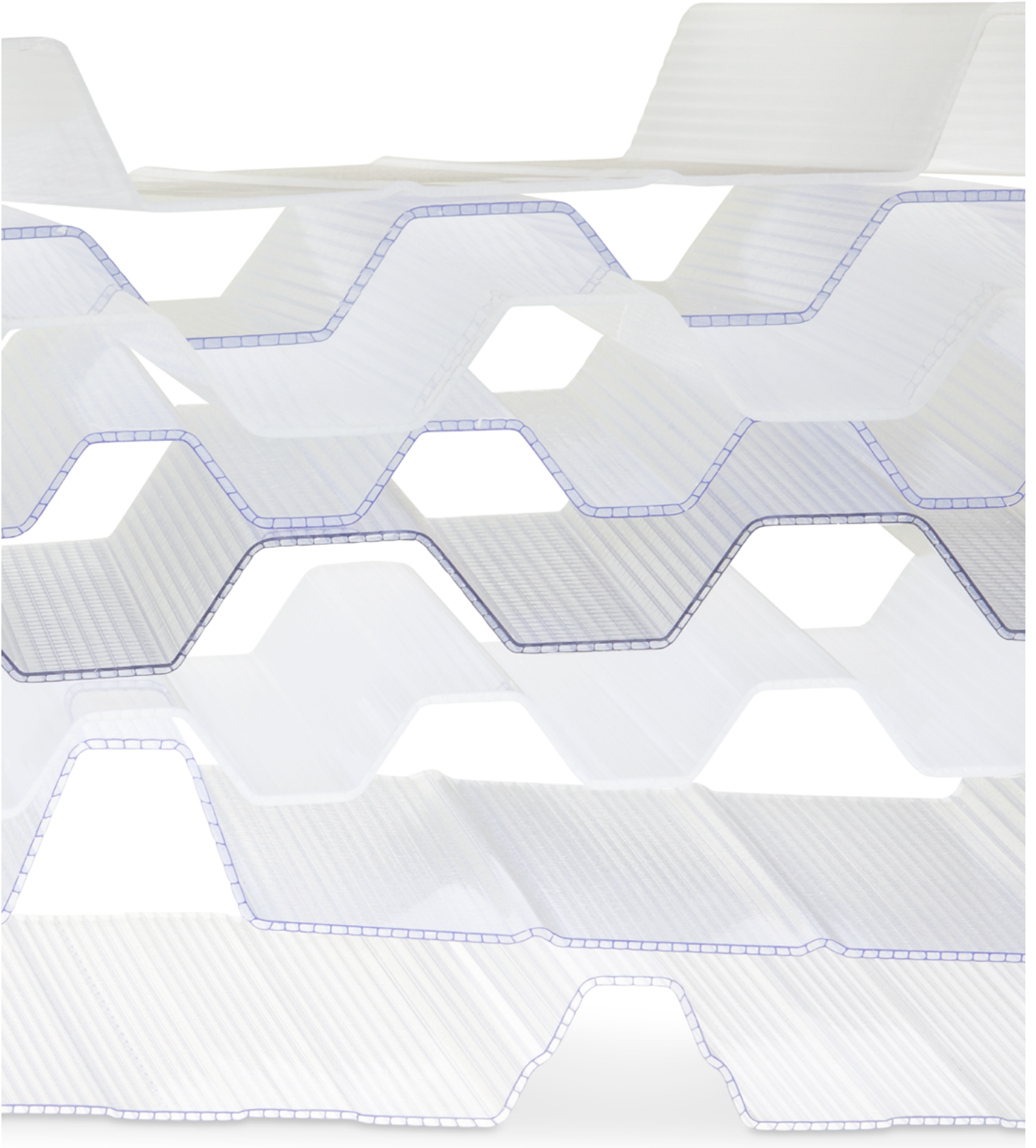
Good light transmission

Longitudinal/transversal overlap

UV protection

Heat sealing

System complete with accessories



SmartPiù®

Translucent extruded multiwall sheets in corrugated shape, and in different colours that can be matched with metal sheets in different types of roofing.

- External protection from UV rays
- UV protection on both sides upon request
- Customisable colours upon request
- Customised lengths.

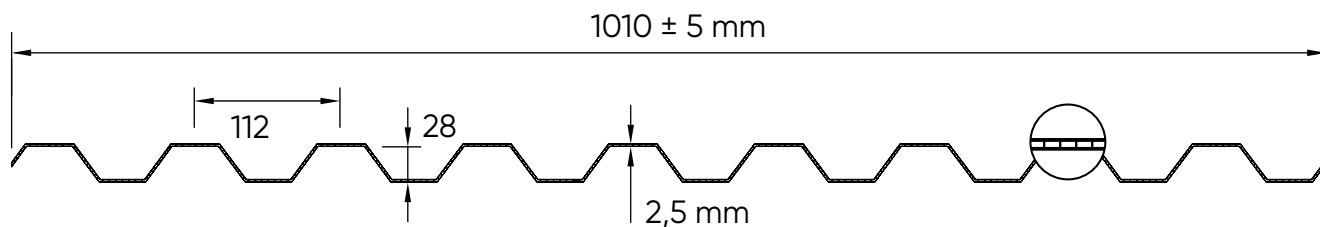
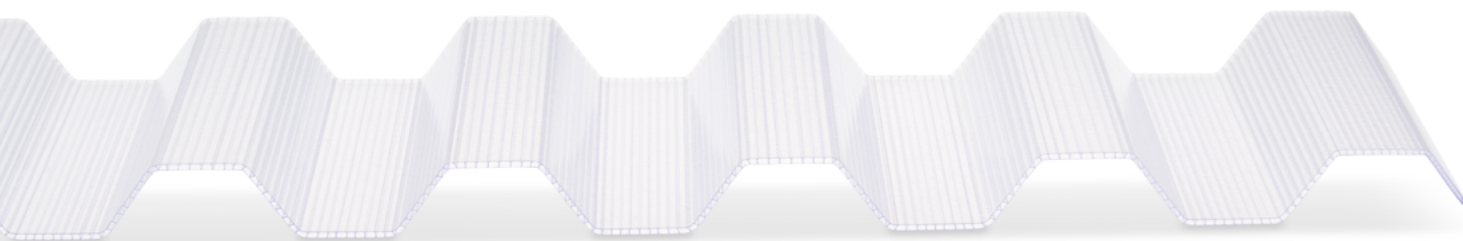
Thermal Insulation
 $U = 4,71 \text{ W/m}^2\text{K}$.

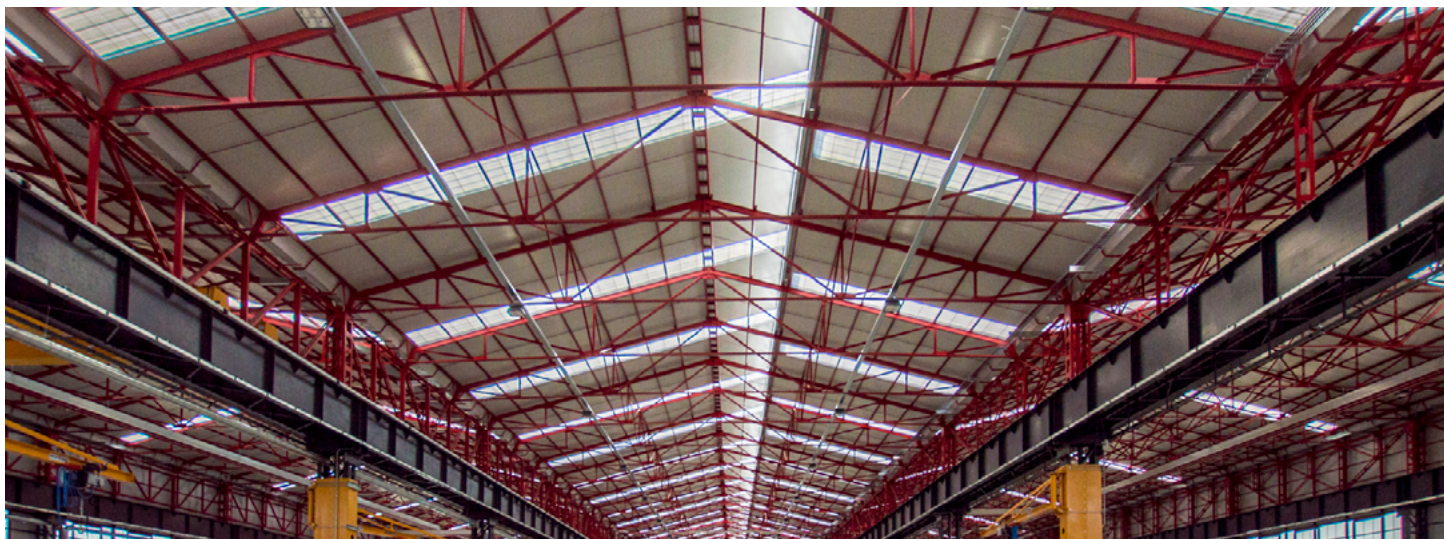
2,5
mm

SPECIAL TREATMENTS



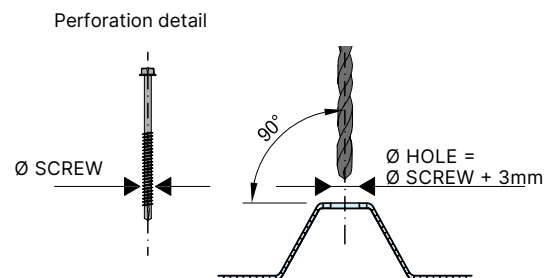
SmartPiù® Greca Alubel 28/112



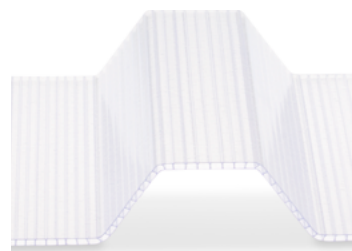


PERFORATION: the perforation can be carried out at the work site using a drill with appropriate bits.

NOTE: it is recommended to drill holes in the **SmartPiù®** sheet with the diameter 3 mm larger than the screw's diameter . (It is a good rule of thumb to lengthen the hole in the longitudinal direction of the sheet).



THICKNESS	2,5 ± 0,5
STRUCTURE	twinwall
TOTAL WIDTH	depending on profile
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 4,71 W/m²K
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*
SATINIZED CLEAR COLOUR	84% ± 2
OPAL COLOUR	76% ± 2

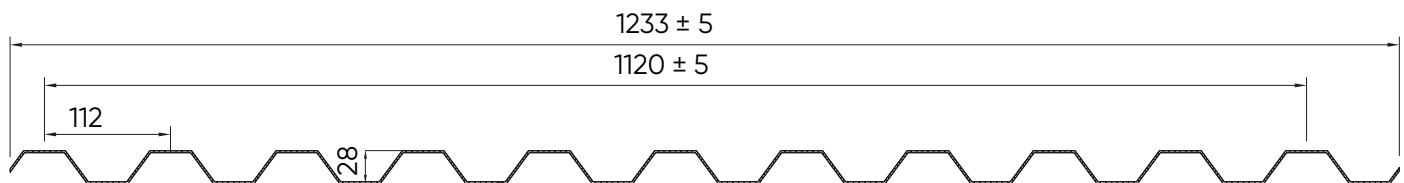


DATA SHEET
SmartPiù® Greca
Alubel 28/112

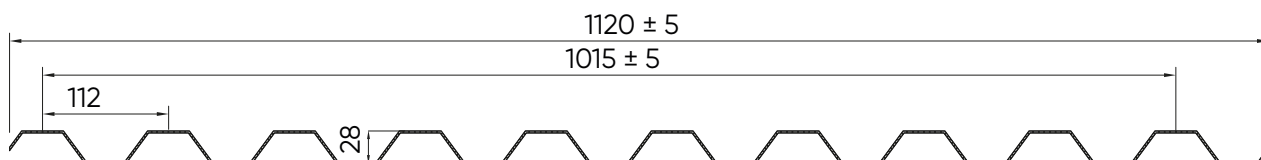


PROFILE	THICKNESS (mm)	PROFILE	THICKNESS (mm)
GRECA ALUBEL 28/112 11 CORRUGATIONS	2,5 mm	ISOPAN	2,5 mm
GRECA ALUBEL 28/112 10 CORRUGATIONS	2,5 mm	ISOLPACK	2,5 mm
GRECA ALUBEL 28/112 9 CORRUGATIONS	2,5 mm	POLYPIVA	2,5 mm
GRECA ALUBEL 21/78	2,5 mm	SILEX	2,5 mm
GRECA 20/75	2,5 mm	ALUBEL DACH	2,5 mm
ONDA 76/18	2,5 mm	COVERIB 850	2,5 mm
ONDA 146/48	2,5 mm	COVERIB 1000	2,5 mm
ONDA 177/51	2,5 mm	SAND 40	2,5 mm
ONDULIT	2,5 mm	SAND 35 6 CORRUGATIONS	2,5 mm
LATTONEDIL	2,5 mm	SAND 35 7 CORRUGATIONS	2,5 mm
EUROFIRE	2,5 mm	SAND 27 6 CORRUGATIONS	2,5 mm
ITALPANNELLI	2,5 mm	ISOCOPRE / PROFILCASTELLO 6 CORRUGATIONS	2,5 mm
MARCEGAGLIA /TK5	2,5 mm	SILMA 6 CORRUGATIONS	2,5 mm

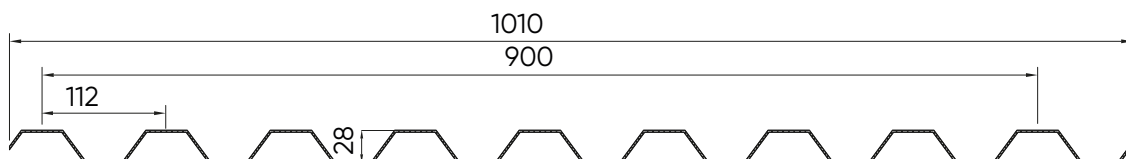
GRECA ALUBEL 28/112 11 corrugations Thickness 2,5 mm



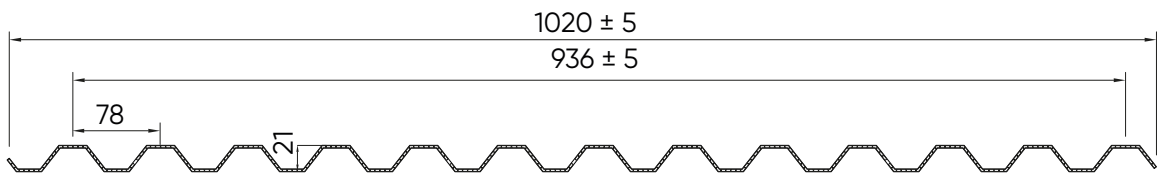
GRECA ALUBEL 28/112 10 corrugations Thickness 2,5 mm



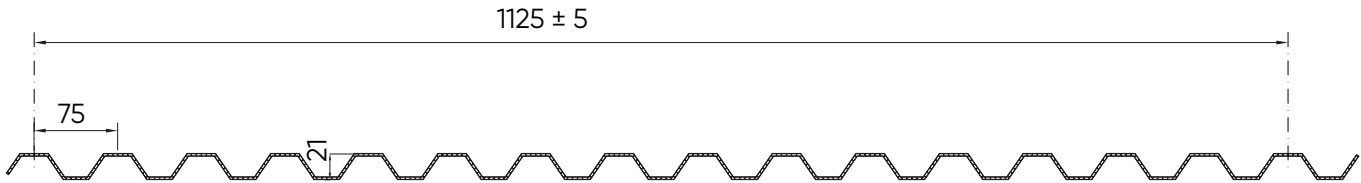
GRECA ALUBEL 28/112 9 corrugations Thickness 2,5 mm



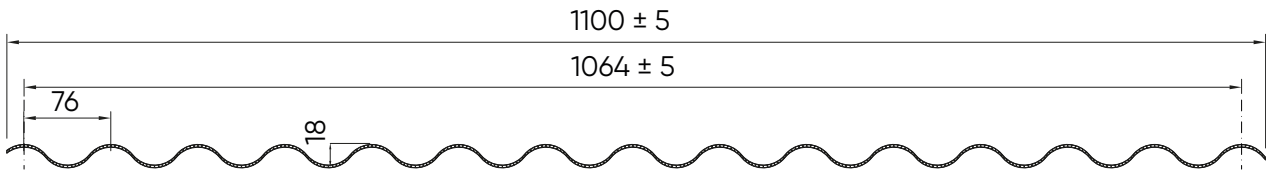
GRECA ALUBEL 21/78 Thickness 2,5 mm



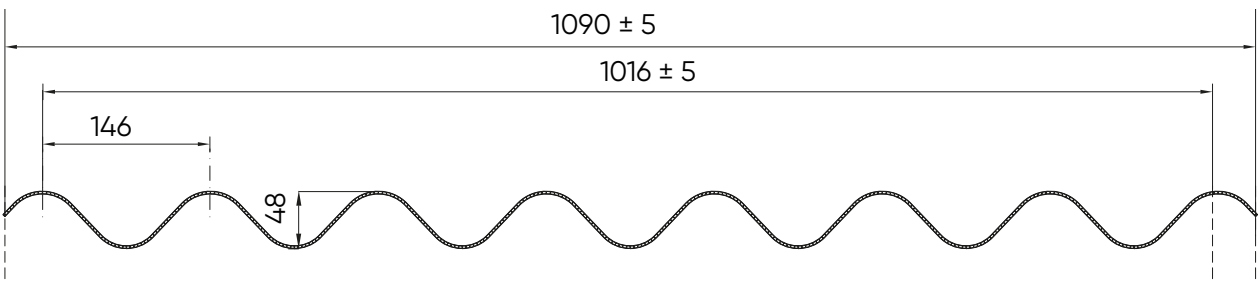
GRECA 20/75 Thickness 2,5 mm



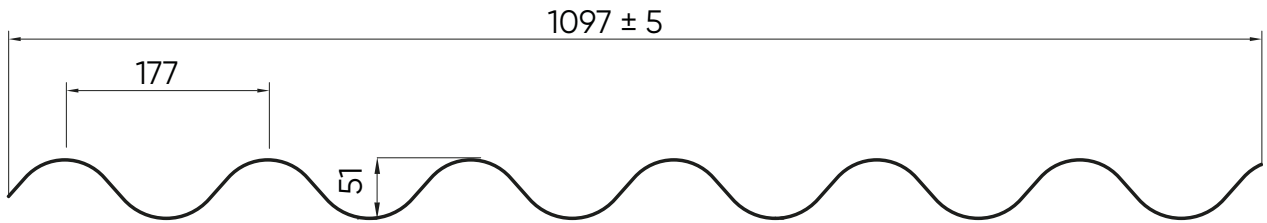
ONDA 76/18 Thickness 2,5 mm



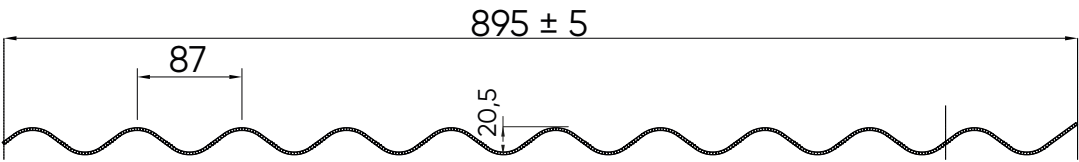
ONDA 146/48 Thickness 2,5 mm



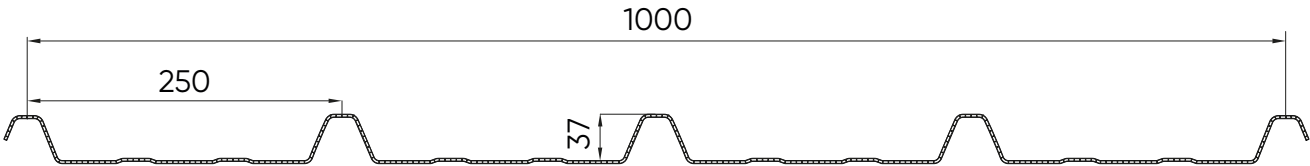
ONDA 177/51 Thickness 2,5 mm



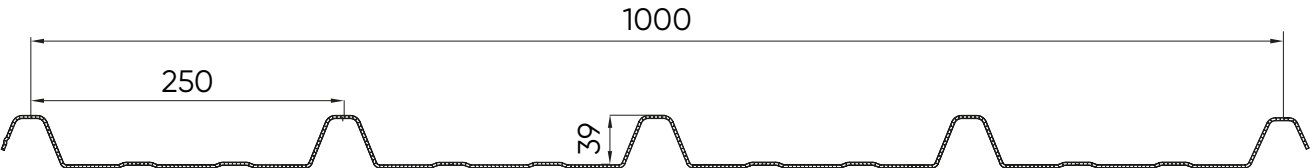
ONDULIT Thickness 2,5 mm



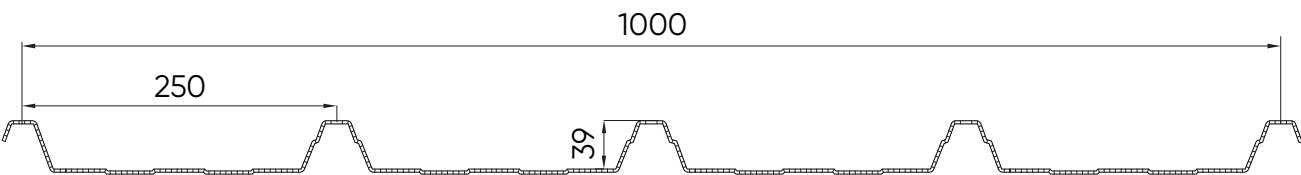
LATTONEDIL Thickness 2,5 mm



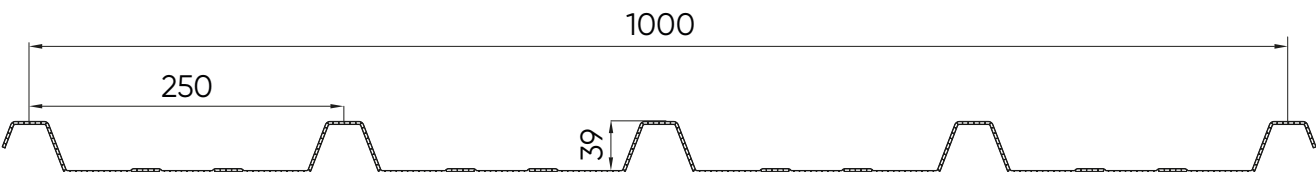
EUROFIRE Thickness 2,5 mm



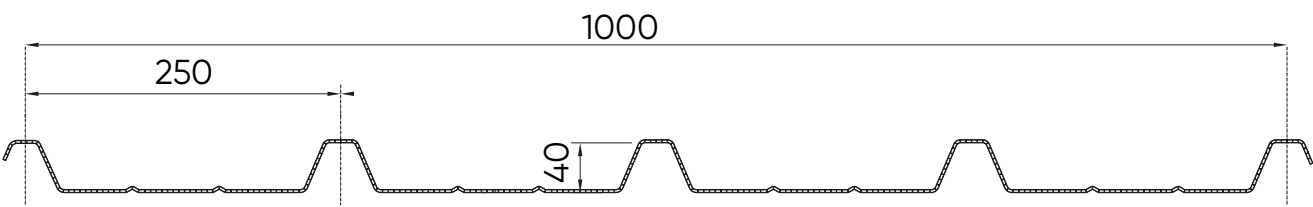
ITALPANNELLI Thickness 2,5 mm



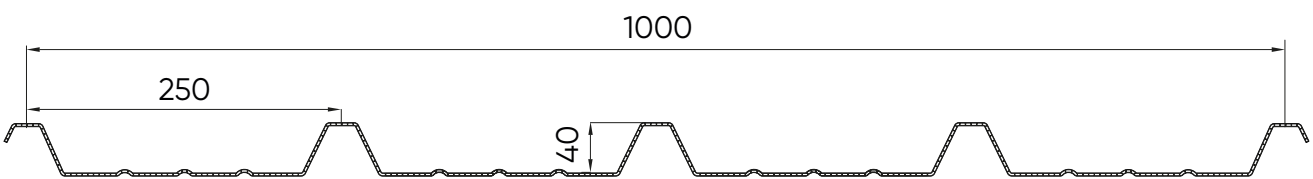
MARCEGAGLIA / TK5 Thickness 2,5 mm



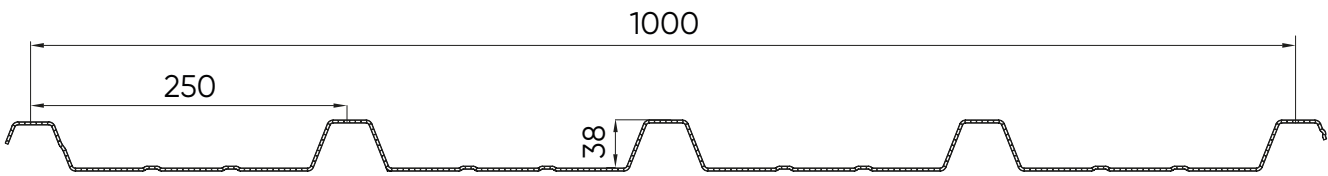
ISOPAN Thickness 2,5 mm



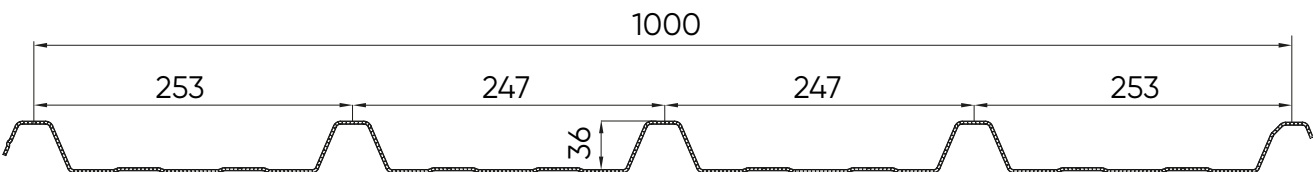
ISOLPACK Thickness 2,5 mm



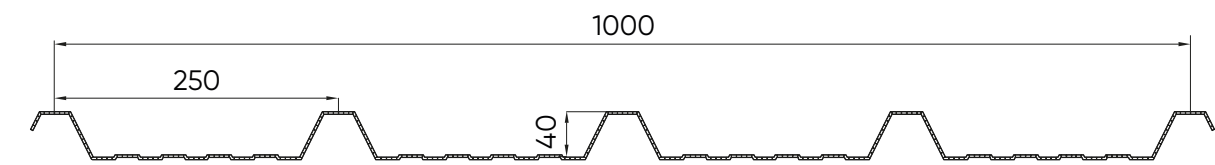
POLYPIVA Thickness 2,5 mm



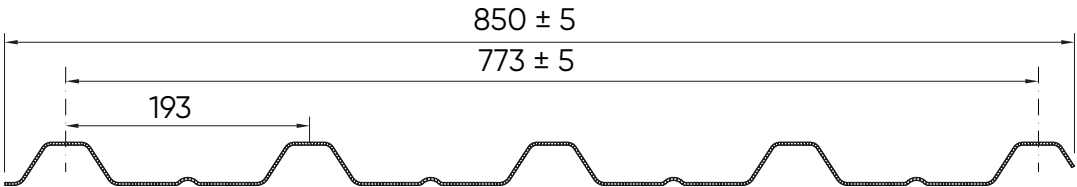
SILEX Thickness 2,5 mm



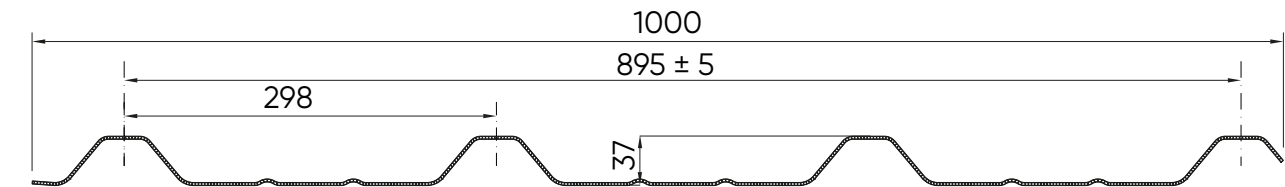
ALUBEL DACH Thickness 2,5 mm



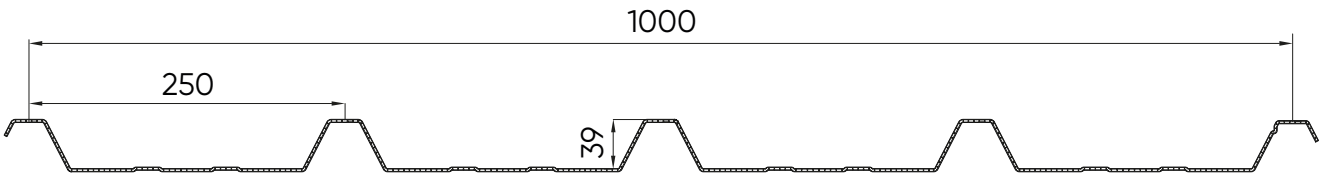
COVERIB 850 Thickness 2,5 mm



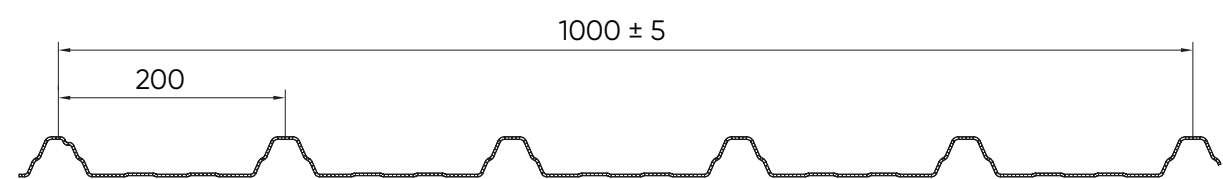
COVERIB 1000 Thickness 2,5 mm



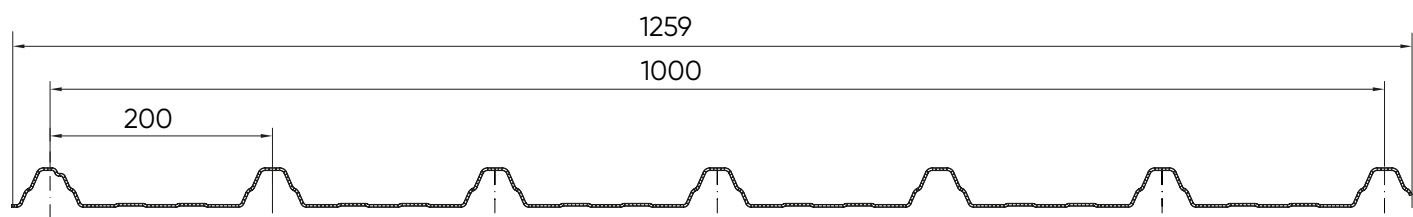
SAND 40 Thickness 2,5 mm



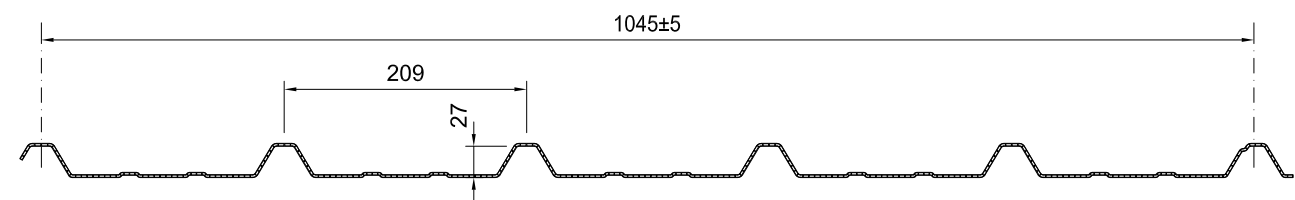
SAND 35 6 corrugations Thickness 2,5 mm



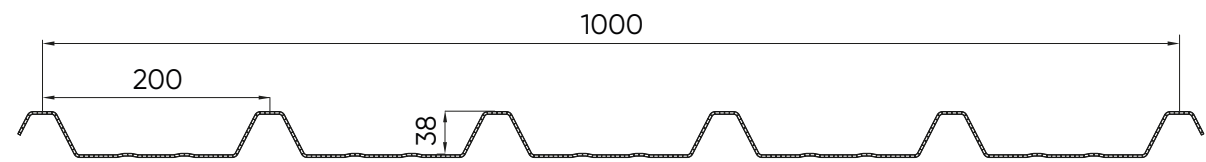
SAND 35 7 corrugations Thickness 2,5 mm



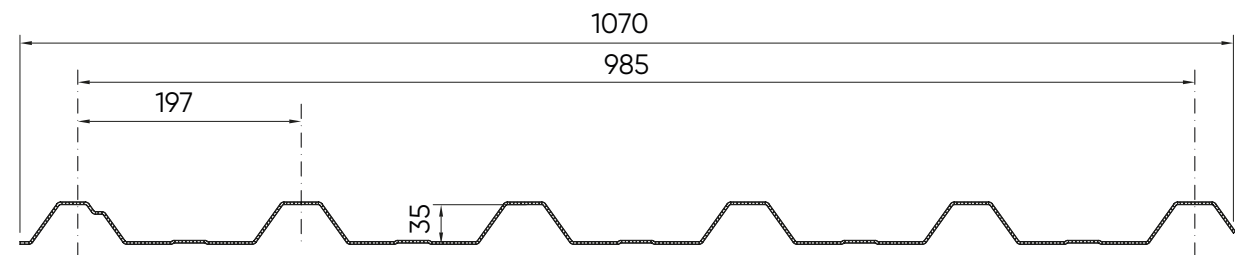
SAND 27 6 corrugations Thickness 2,5 mm



ISOCOPRE / PROFILCASTELLO 6 corrugations Thickness 2,5 mm



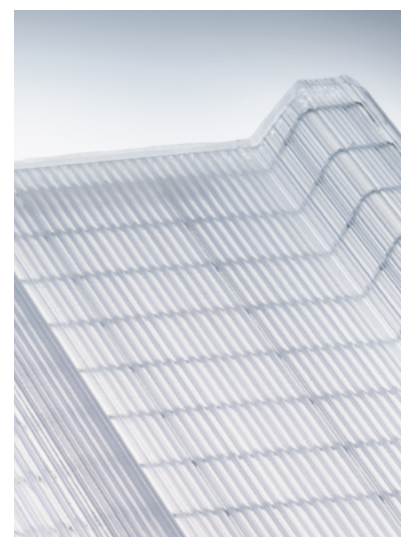
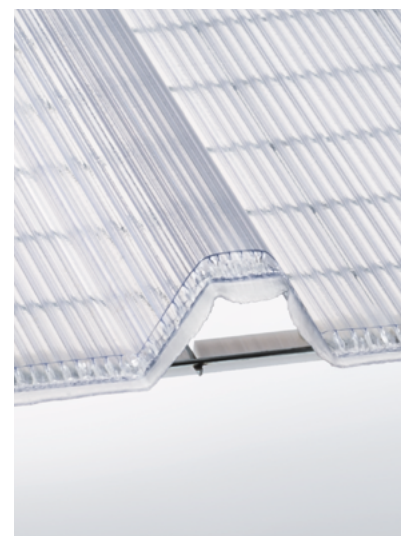
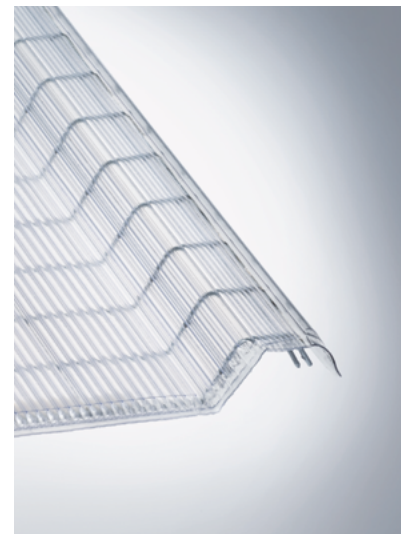
SILMA 6 corrugations Thickness 2,5 mm



TecnoPiù® is a product designed, manufactured and patented by PolyPiù thanks to the research of our technical staff, able to create a unique solution, conceived by the union between a multiwall polycarbonate corrugated sheet and a safety metal net.

TecnoPiù® is a pre-assembled product, that can be used to offer a higher level of safety in the installation of skylights in conjunction with metal sheets or panels in flat roofs.

In addition, the product TecnoPiù® has received Reports and Certificates of Testing from the CSI institute regarding the soft-body shock resistance according to the norm EN 14963:2006 and the Fire test report Euroclass B s1 d0.



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

Available flat and curved

High load resistance

High resistance to wind pressure

Ease/cheapness of fitting

UV protection

Heat sealing

System complete with accessories

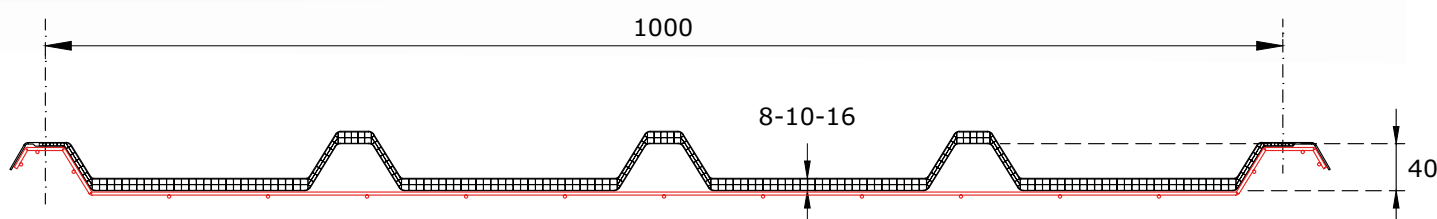
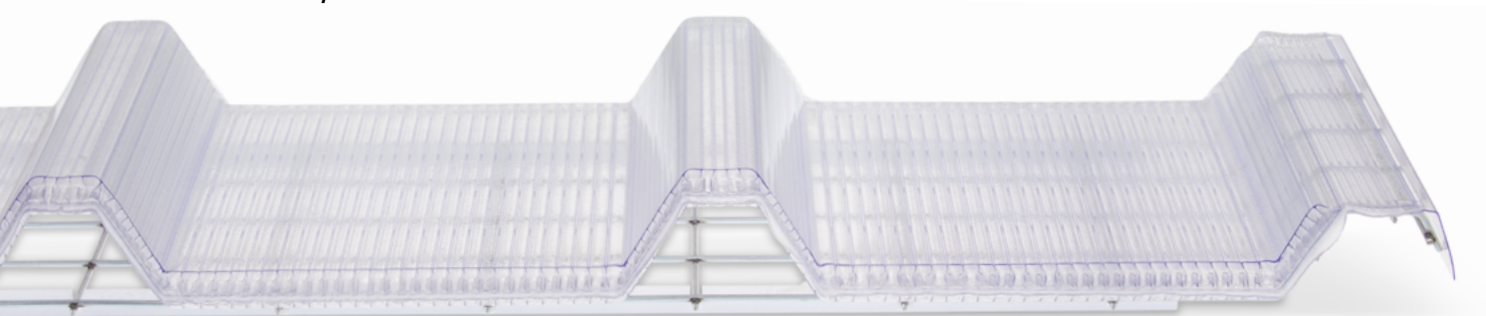


TecnoPiù® 40/80

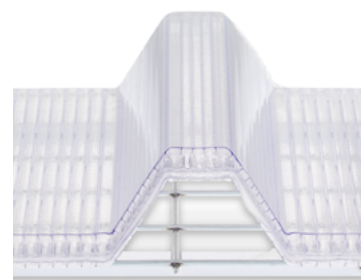
Realisation of skylights and pitched roofing and curved canopies with extruded triplewall or honeycomb corrugated polycarbonate sheets with:

- Thermosealed ends
- External protection from UV rays
- Satined clear and opal colour
- Useful width mm 1000 ± 5
- Corrugation pitch mm 250
- Multiwall side ribs for overlap
- Customised lengths.

TecnoPiù® 40/ 8 - 10 - 16 mm



THICKNESS	8 mm	10 mm	16 mm
HEIGHT OF SIDE WAVE	40 mm		
STRUCTURE	3 walls		
USEFUL WIDTH	1000 ± 5 mm		
WAVE SPACING	250 ± 5 mm		
END SEALING	termosealed		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 2,90	U= 2,70	U= 2,10
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	79% ± 2	77% ± 2	74% ± 2
OPAL COLOUR	45% ± 2	42% ± 2	39% ± 2

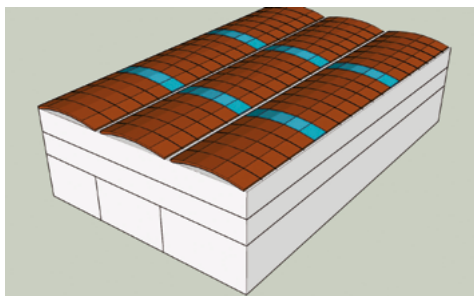


DATA SHEET
TecnoPiù® 40

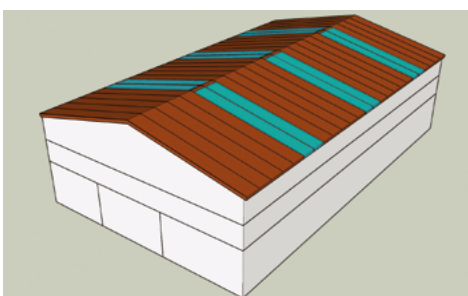


* General data taken from literature

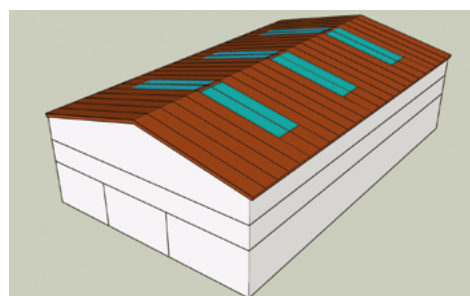
Example of applications



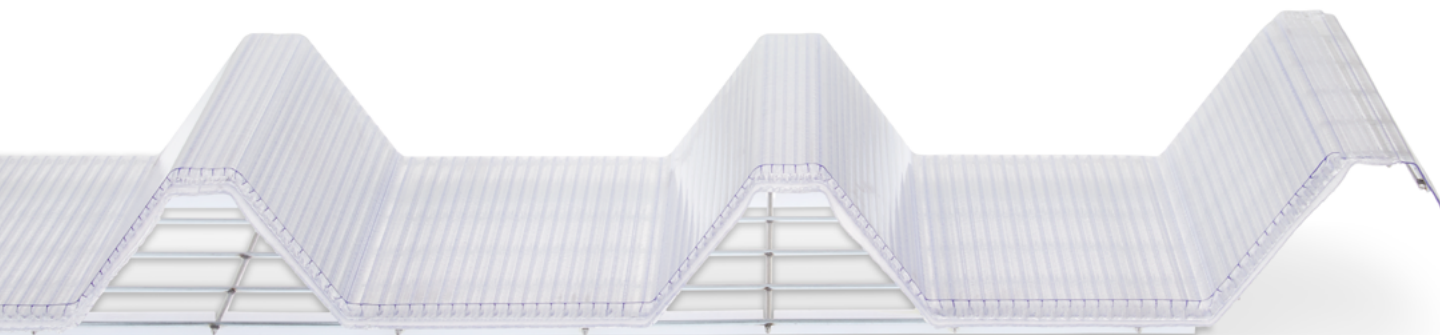
CURVED



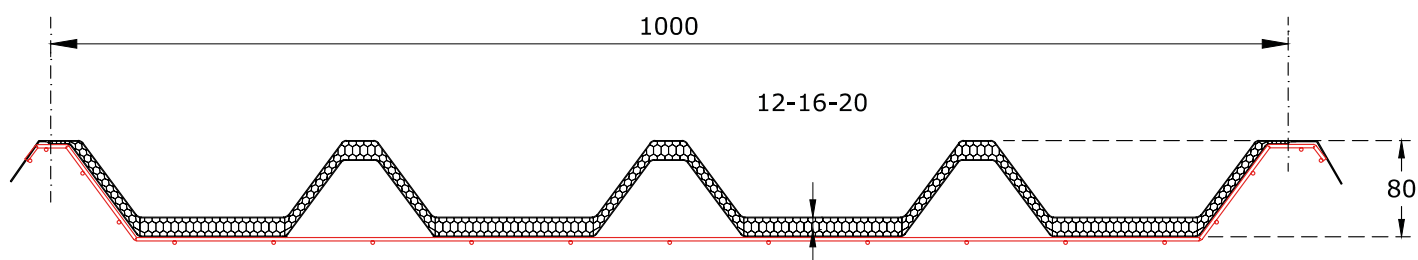
FROM RIDGE TO GUTTER



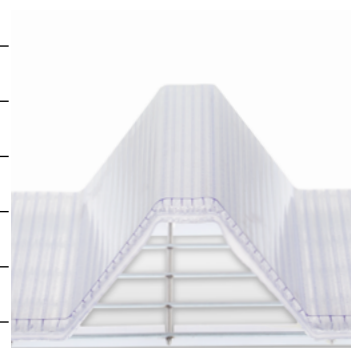
FROM RIDGE TO MID ROOF LENGTH



TecnoPiù® 80/ 12 - 16 - 20 mm



THICKNESS	12 mm	16 mm	20 mm
HEIGHT OF SIDE WAVE	80mm		
STRUCTURE	honeycomb		
USEFUL WIDTH	1000 ± 5 mm		
WAVE SPACING	250 ± 5 mm		
ENS SEALING	termosealed		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 2,30	U= 1,99	U= 1,80
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	58% ± 2	57% ± 2	52% ± 2
OPAL COLOUR	39% ± 2	37% ± 2	35% ± 2



DATA SHEET
TecnoPiù® 80



* General data taken from literature

OndaPiù® is a modular corrugated multiwall polycarbonate system protected from UV rays for skylights and translucent pitched roofing and continuous curved canopies or combined with asbestos cement sheets commonly used in roofing. It is a triplewall polycarbonate sheet with an even and invariable wave pitch according to European standards (EURO 177/51 mm) either 4 or 6 mm thick and 76/18 thickness 6 mm. The peculiarity of this sheet is the extrusion with seven complete waves, which guarantee a greater seal in the side and crossing overlappings in skylights and continuous pitched roofing. Furthermore, the OndaPiù® sheets perfectly adapt to those in asbestos cement typically used for continuous curved canopies with curvature radius R.3500. The main characteristic of this system is its resistance to UV rays, which ensure its long life.

SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Available flat or curved

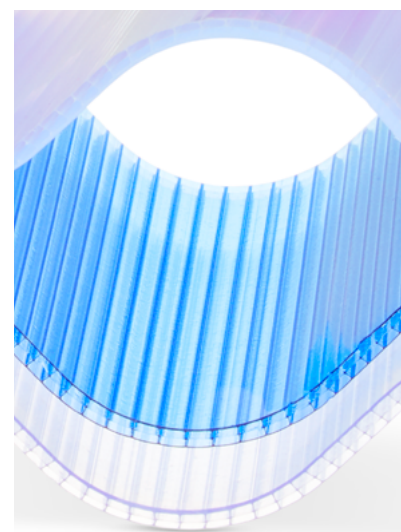
Good light transmission

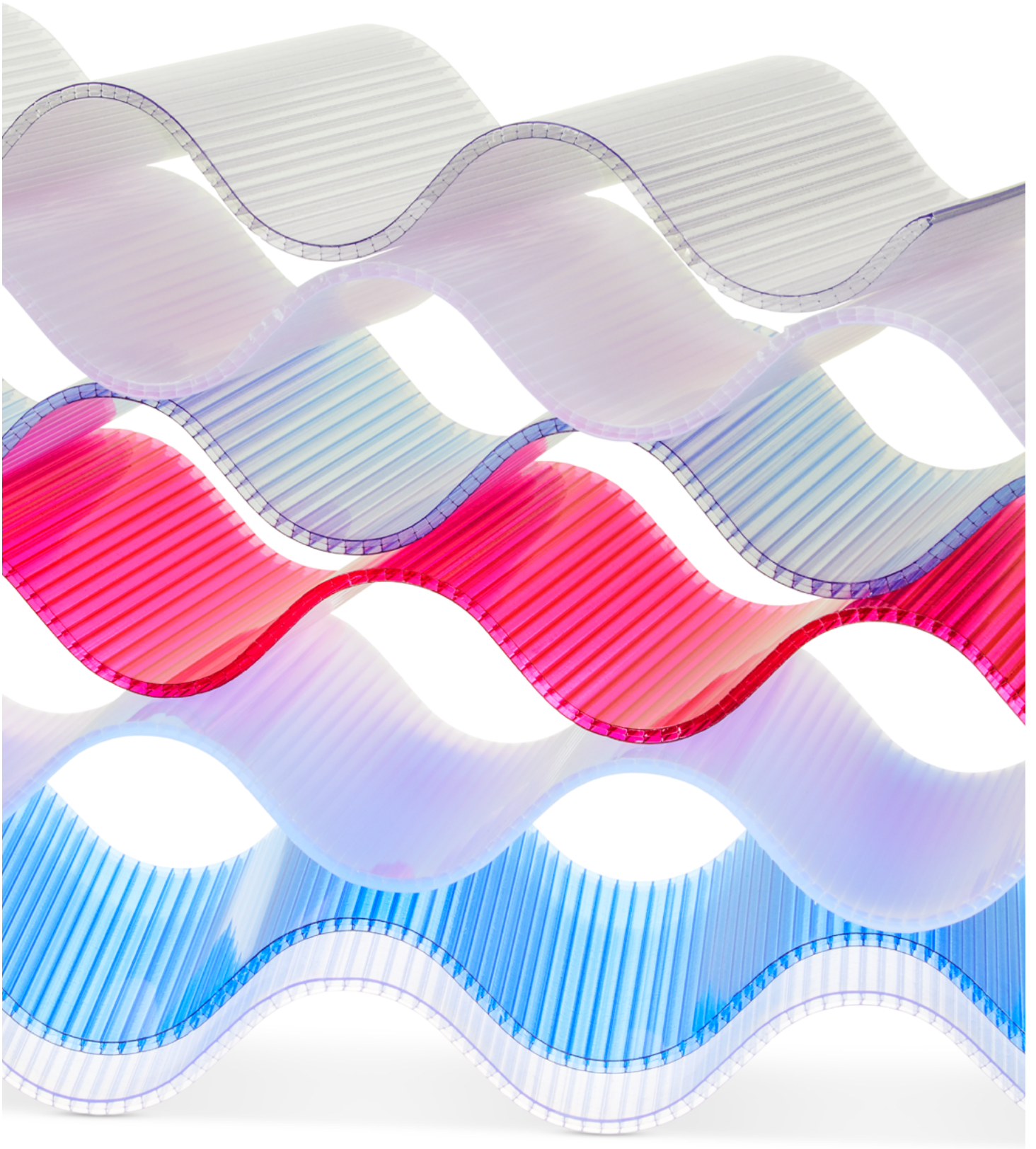
Possibility of lengthwise/crosswise overlapping

UV protection

Heat sealing

System complete with accessories





OndaPiù® 177/51 mm

Realisation of skylights and pitched roofing and curved canopies R.3500 and R.6000 with corrugated sheets extruded in 4 and 6 mm triplex wall multiwall:

Thermal Insulation
 $U = 3,70 - 3,30 \text{ W/m}^2\text{K}$.

- Corrugation EURO 177/51 mm
- Thermosealed ends
- External protection from UV rays
- Customised lengths
- Width $1180 \pm 5 \text{ mm}$ (7 waves) with useful width 1062 mm
- Width $1097 \pm 5 \text{ mm}$ (6 waves) with useful width 1050 mm
- Width $920 \pm 5 \text{ mm}$ (5 waves) with useful width 885 mm

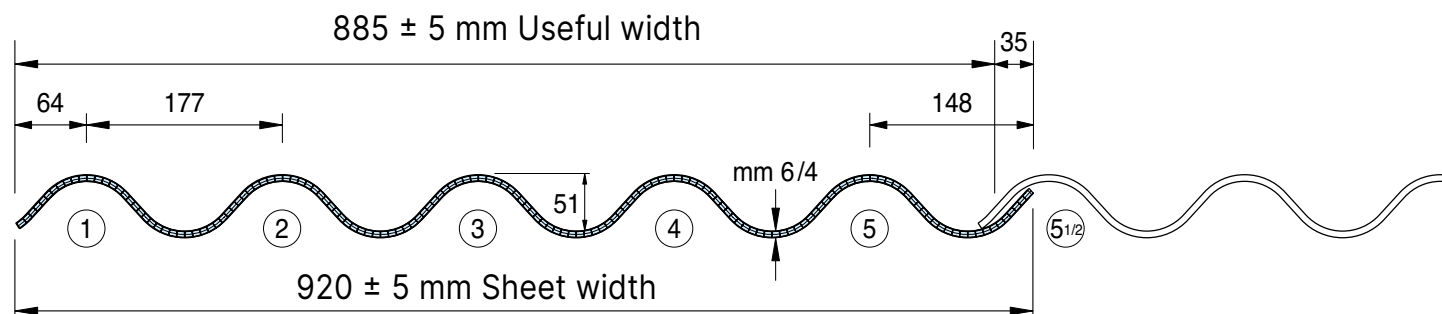
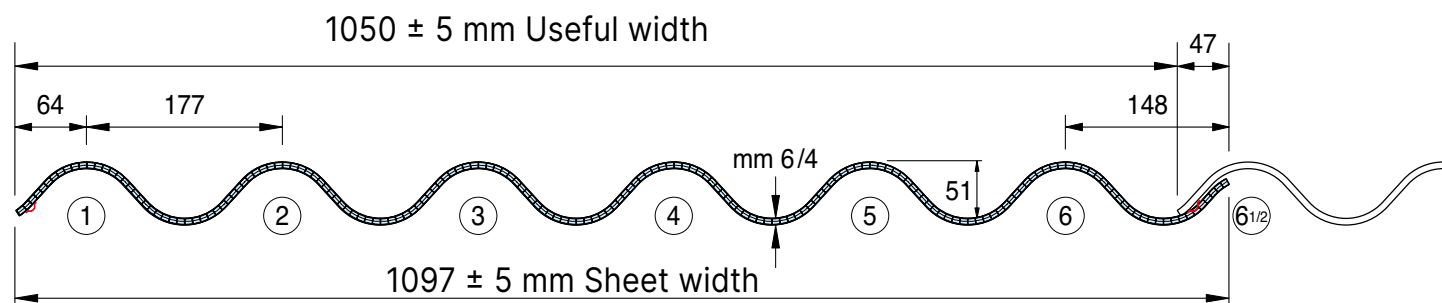
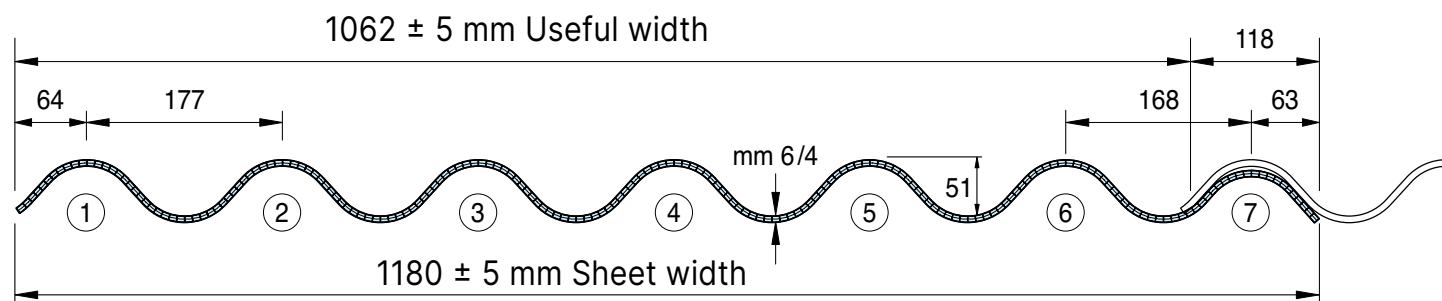
4
mm

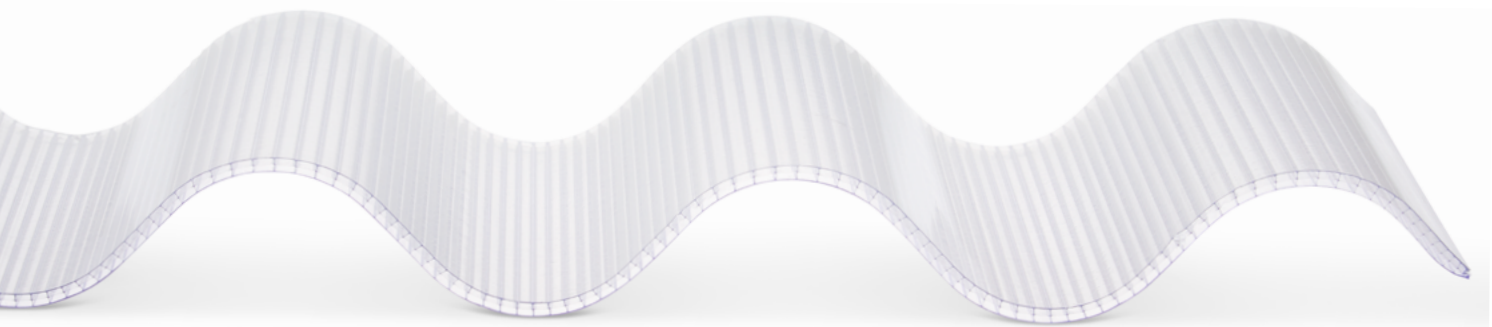
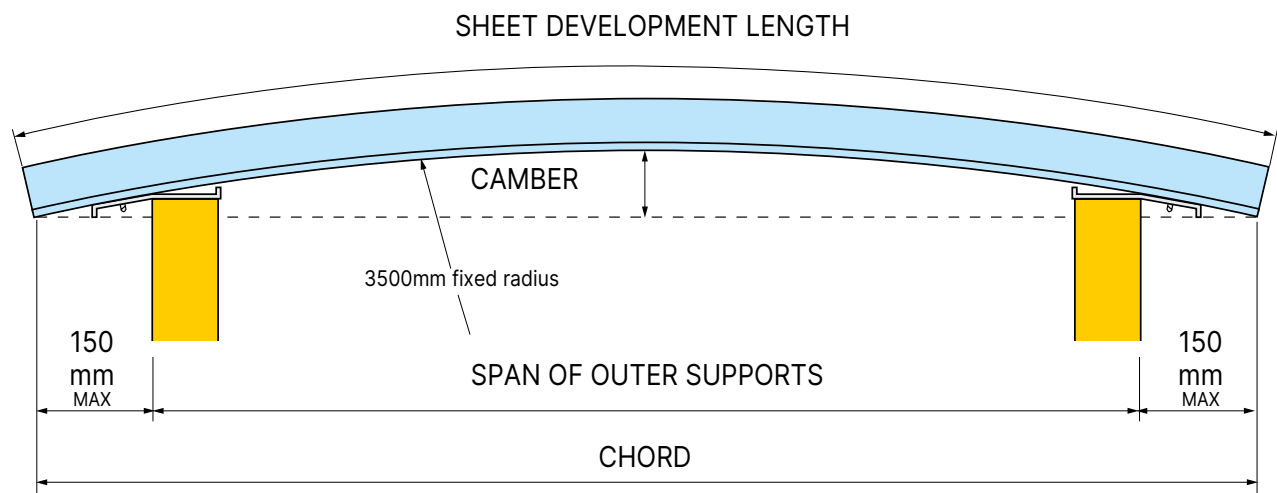
6
mm

SPECIAL TREATMENTS

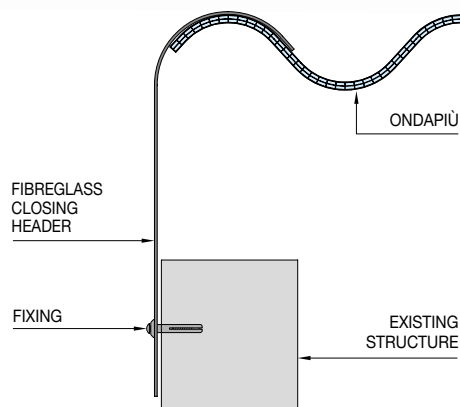


OndaPiù® 177/51 mm

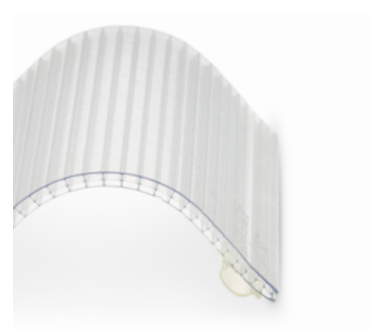




Glazed End detail



THICKNESS	4 mm	6 mm
STRUCTURE	triplewall	
SHEET WIDTH	1180 ± 5 mm (7 waves) 1097 ± 5 mm (6 waves) 920 ± 5 mm (5 waves)	
SHEET LENGTH	customised (max. 7 m is recommended)	
THERMAL INSULATION	U= 3,70	U= 3,30
TEMPERATURE WORKING RANGE	- 40°C + 130° C	
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*	
SATINIZED CLEAR COLOUR	80% ± 2	72% ± 2
OPAL COLOUR	68% ± 2	50% ± 2

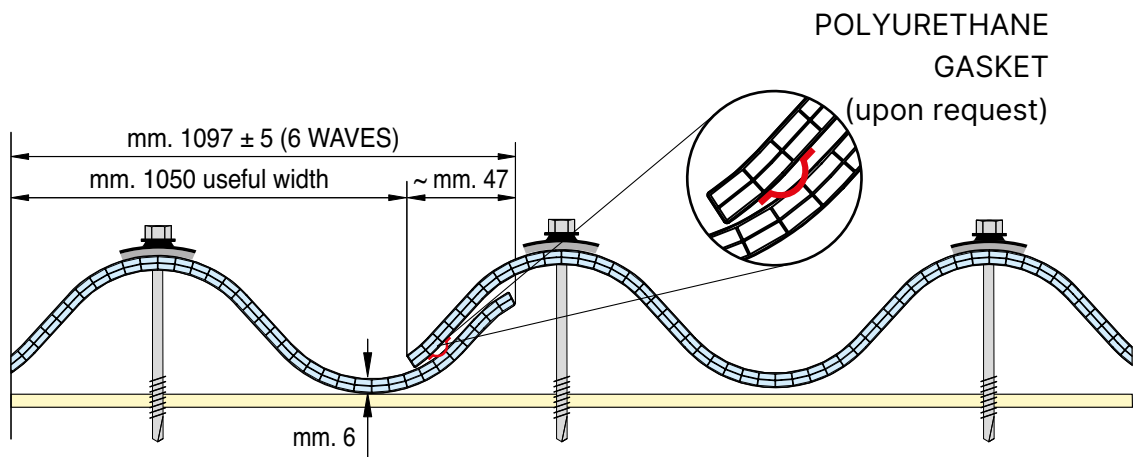


DATA SHEET
OndaPiù®
177/51 mm

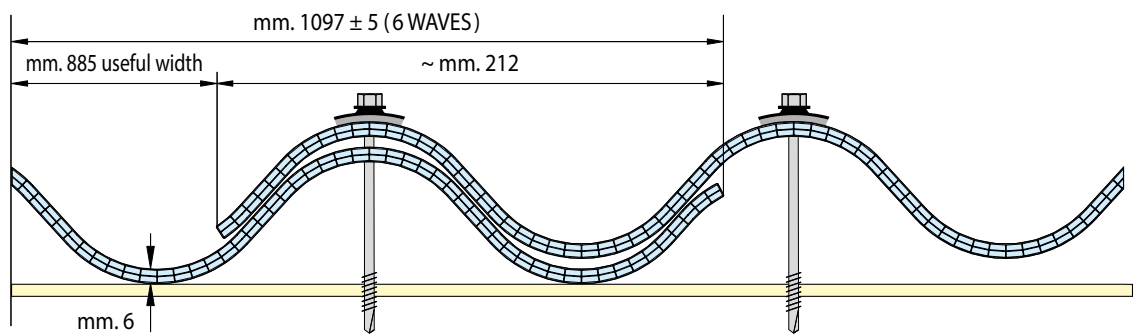


* General data taken from literature

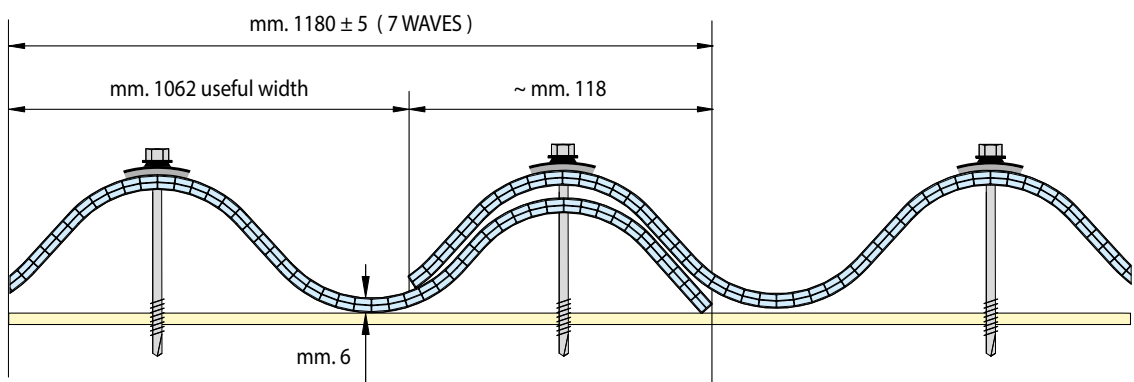
Standard (sheet 6 waves)



For particular windy zones (sheet 6 waves)



Standard (sheet 7 waves)



ACCESSORIES Ondapiù® 177/51 mm

VARIABLE RIDGE IN PRE-PAINTED STEEL



CURVED CLOSING HEADER DEVELOPMENT (MM 1520, MM 1830, MM 2130, MM 2440, MM 3700)



SINGLE RIDGE IN PRE-PAINTED STEEL



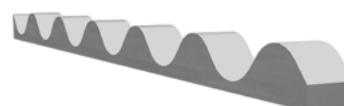
ROUND CAP FOR FIXING ON HIGHER WAVE



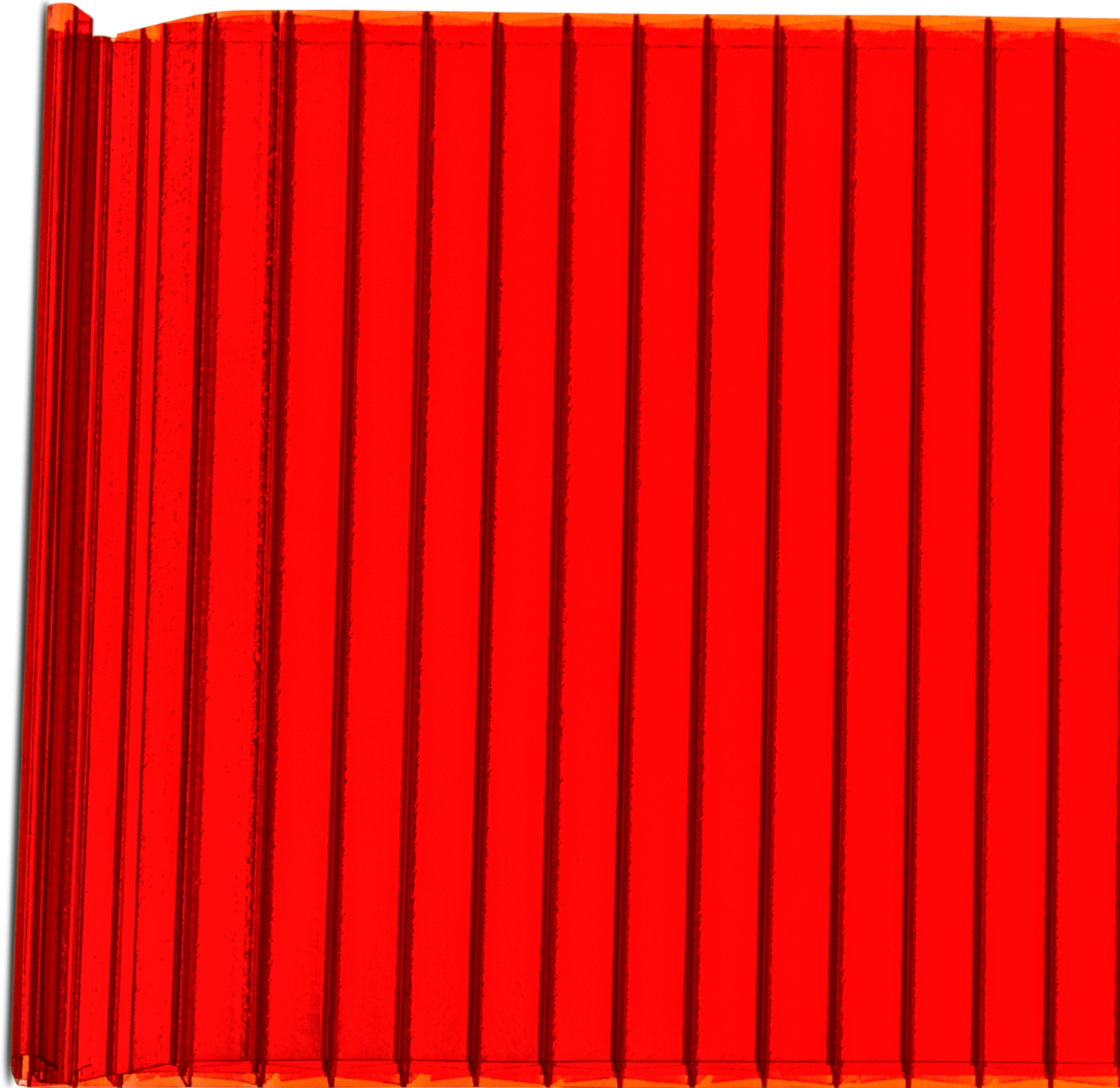
LONG SCREW FOR FIXING ON HIGHER WAVE
+ WASHER



EAVES FILLER



REINFORCED SH



HEETS

GRECA**PIU**

page 64

SMART**PIU**

page 68

ONDA**PIU**

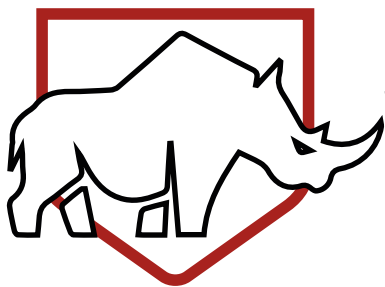
page 70

CARBO**PIU**

page 72

REINFORCED SHEETS

Reinforced polycarbonate sheets offer a concrete answer to the growing demand for materials resistant to extreme weather events. Thanks to their advanced



design and increased thickness - applied to the entire sheet in the case of single skin sheets or to the outer wall in the case of multiwall sheets - these solutions guarantee superior robustness compared to standard products.

Certified according to UNI 10890:2000, the reinforced sheets are designed to resist hail and the most intense mechanical impacts. The range includes **Grecapiù 28/112 9G**, **Grecapiù 40/10** honeycomb, **Ondapiù** and **Carbopiù 10-16-20** honeycomb. Available on request for all **Lightpiù** and **Smartpiù** profiles.

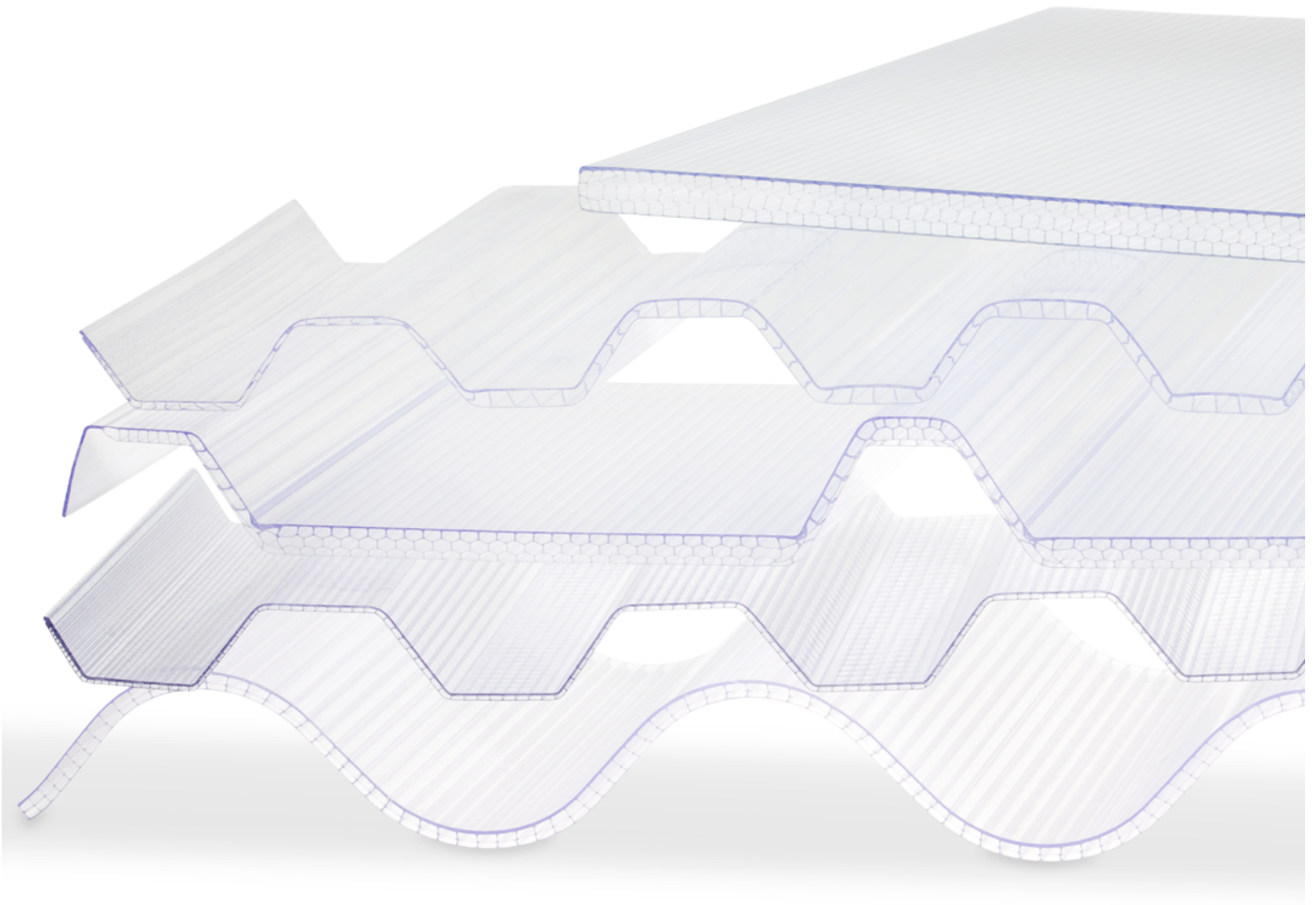
The balance between lightness and strength guarantees the excellent performance of the reinforced sheets even in difficult environmental conditions, as well as their optimal application in residential, industrial and agricultural contexts. The versatility of design makes these solutions a reference for those looking for durable, high-quality materials.

Certification Anti-hail



UNI 10890:2000 NORM

To ensure hail resistance, PolyPiù reinforced polycarbonate sheets have been tested in accordance with UNI 10890:2000.



GrecaPiù® 28/112 9 corrugations Reinforced

The sheets are supplied in lengths to size, heat-sealed at the ends, self-extinguishing Euroclass B s1 d0.

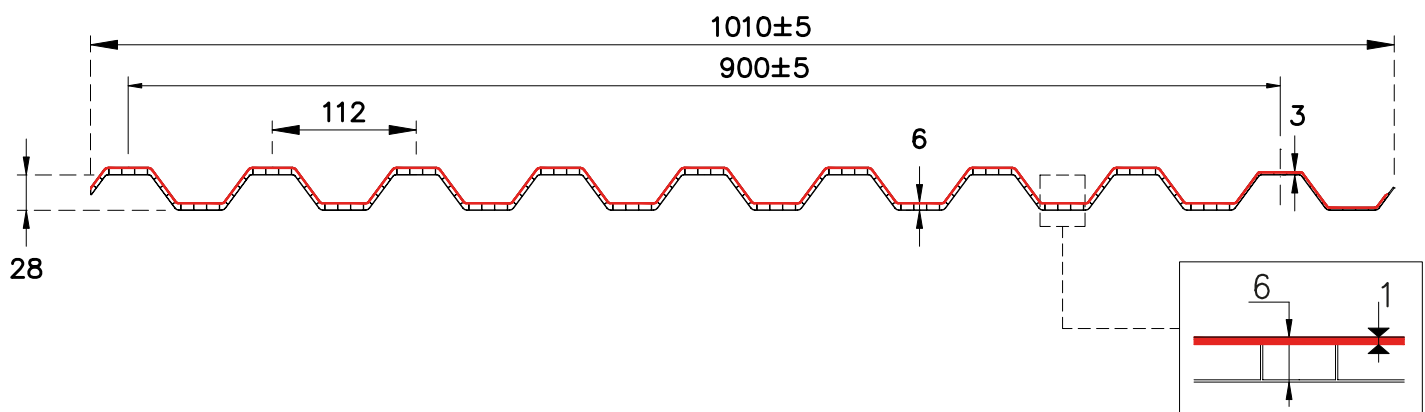
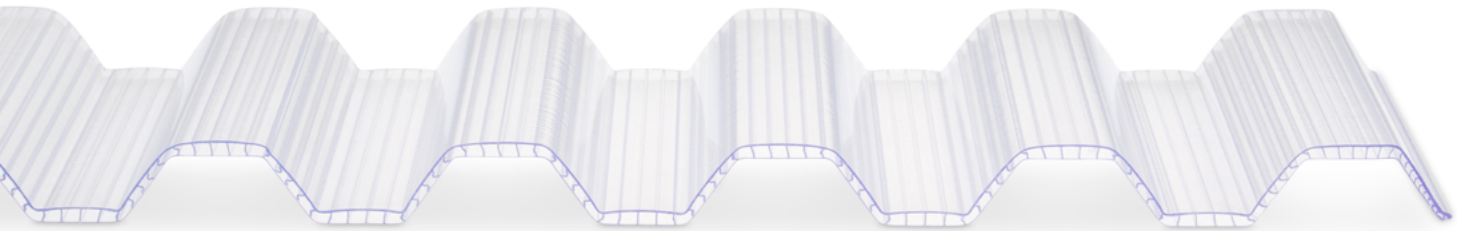
- Creation of flat and curved roofing. For curved roofing, the sheet is hot-bent with a radius of 3.5 m and 6.0 m.
- The system is completed with accessories (contact the manufacturer for details on accessories).
- For rooflights with high thermal insulation characteristics in line with current regulations, we recommend the use of GrecaPiù® 28/112 combined with an inner false ceiling.



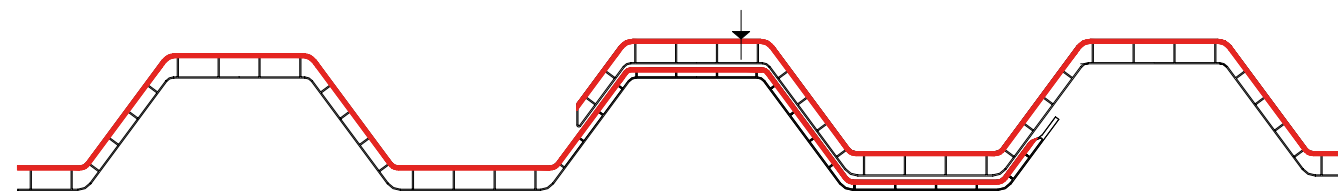
ANTI-HAIL
CERTIFICATION

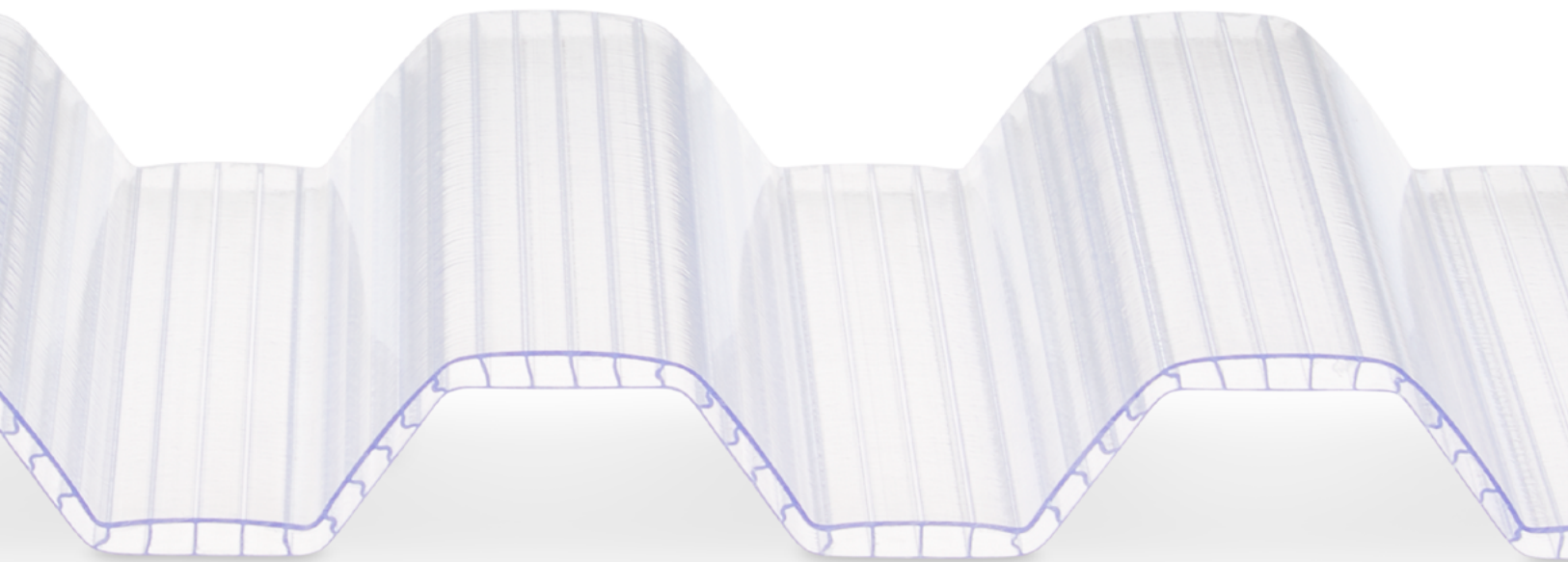
Thermal Insulation
 $U = 3,50 \text{ W/m}^2\text{K}$.

6
mm

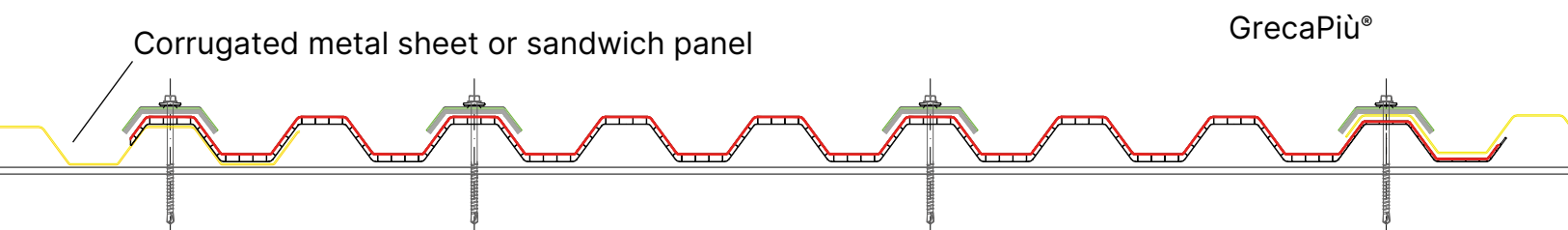


Reinforced outer layer





Installation details



THICKNESS	6±0,5 (reinforced outer wall with th. ~1,0 mm ±0,1)
HEIGHT OF SIDE WAVE	28 mm
STRUCTURE	twinwall
USEFUL WIDTH	900 ± 5 mm
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 3,5
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*
SATINIZED CLEAR COLOUR	80% ± 2
OPAL COLOUR	53% ± 2
ANTI-HAIL CERTIFICATION	65 m/s



DATA SHEET
GrecaPiù® 28/112



*General data taken from literature

GrecaPiù® 40/10 - 16 5 corrugations Reinforced

Creation of skylights and flat and curved roofing with extruded polycarbonate corrugated sheets honeycomb with:

- Thermosealed ends
- External protection from UV rays
- Satined clear and opal colour
- Useful width mm 1000 $\pm$ 5
- Corrugation pitch mm 250
- Multiwall side ribs for overlap
- Customised lengths.

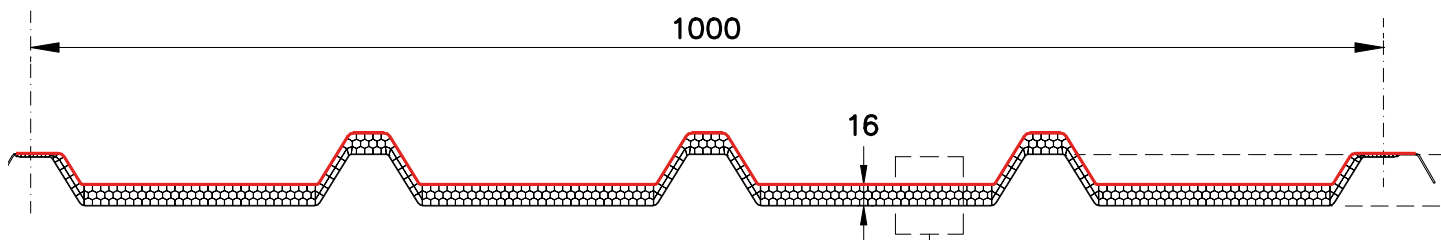
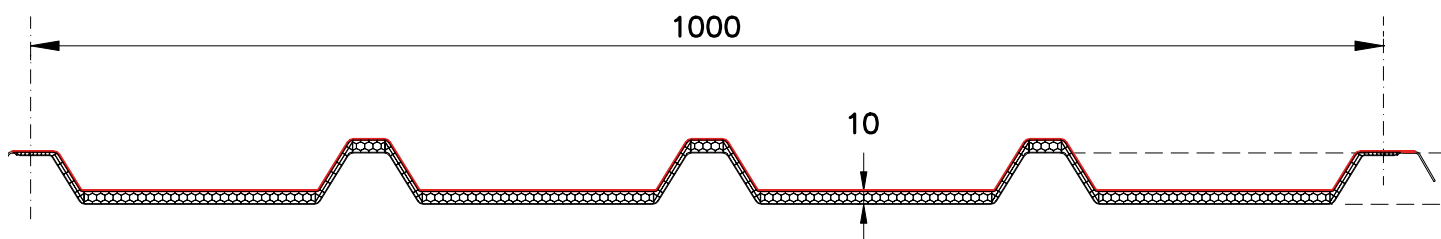
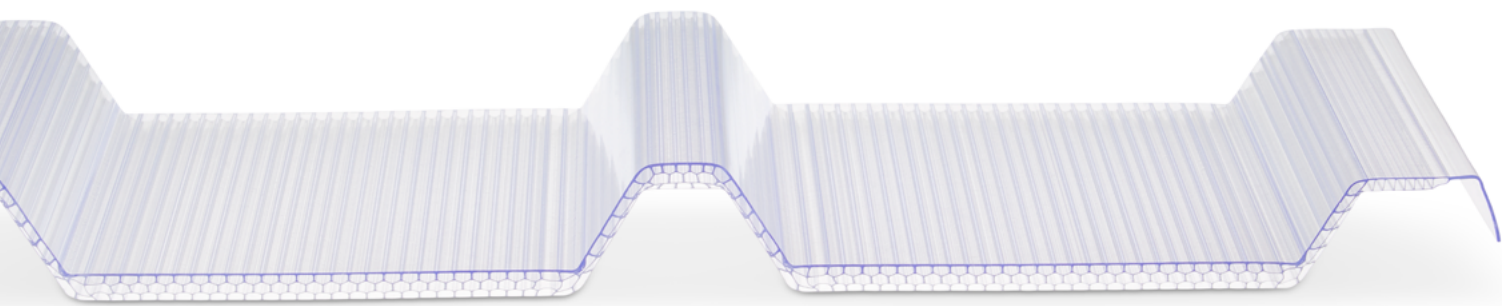


ANTI-HAIL
CERTIFICATION

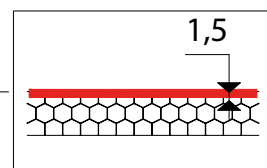
Thermal Insulation
 $U = 2,50-1,99 \text{ W/m}^2\text{K}$.

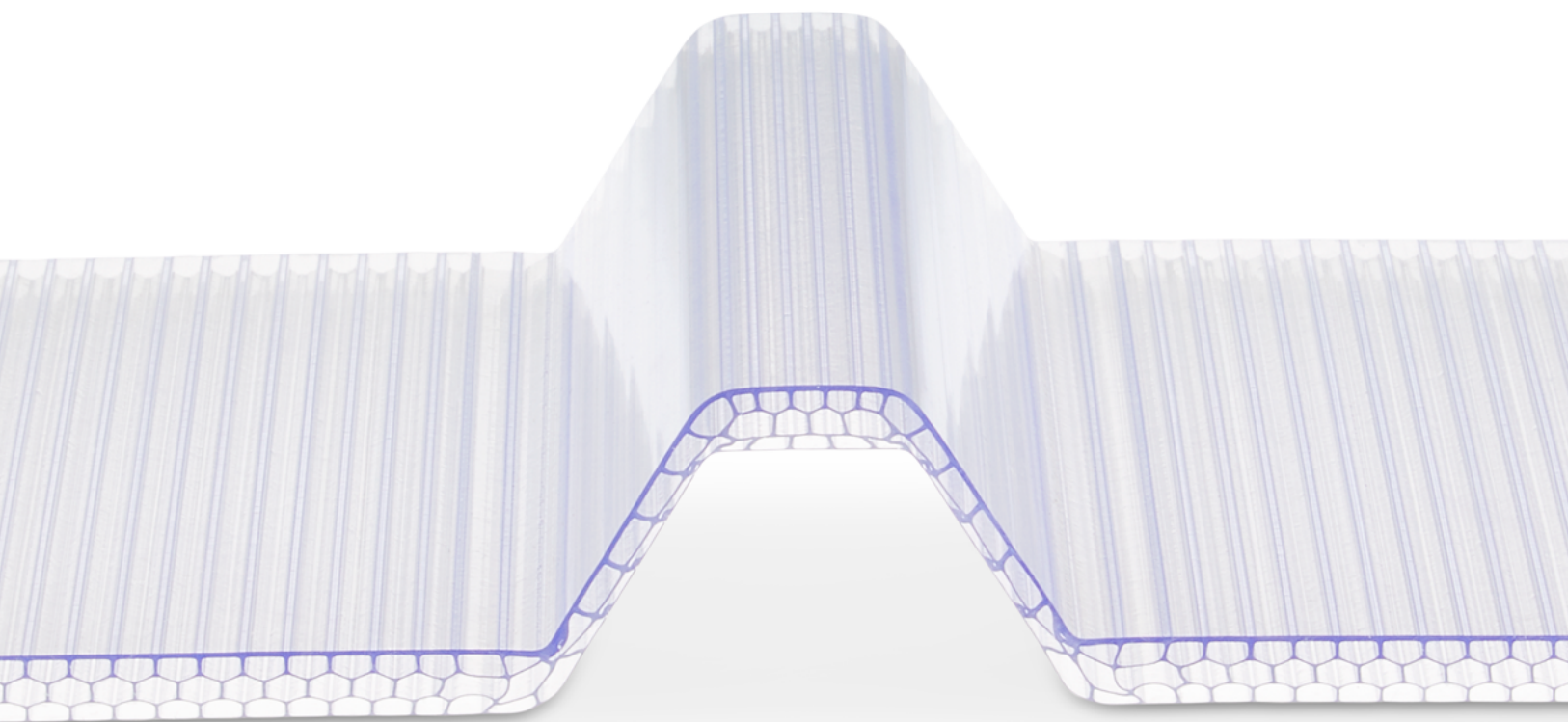
10
mm

16
mm

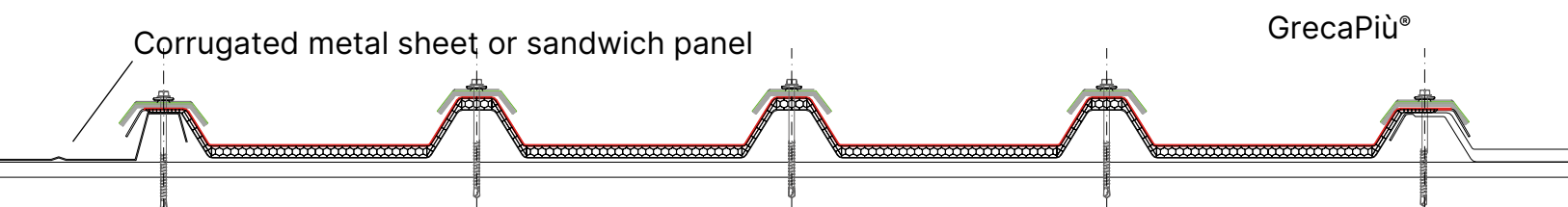


Reinforced outer layer

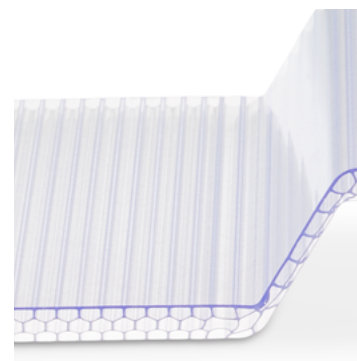




Installation details



THICKNESS		10	16
		(reinforced outer wall with th. ~1,0 ~1,5 mm ±0,1)	
HEIGHT OF SIDE WAVE	CENTRAL	48 mm	
	SIDE	39 mm	
STRUCTURE		honeycomb	
USEFUL WIDTH		1000 ± 5 mm	
SHEET LENGTH		upon request (max. length recommended is 7 mtr)	
THERMAL INSULATION		U= 2,50	U= 1,99
TEMPERATURE WORKING RANGE		- 40°C + 130° C	
LINEAR THERMAL EXPANSION		6,7 × 10 ⁻⁵ mm/mm°C*	
SATINIZED CLEAR COLOUR		58% ± 2	57% ± 2
OPAL COLOUR		40% ± 2	37% ± 2
ANTI-HAIL CERTIFICATION		135 m/s	104 m/s



DATA SHEET

GrecaPiù® 40
Reinforced



*General data taken from literature

SmartPiù® 28/112 9 corrugations Reinforced

The sheets are supplied in lengths to measure, heat-sealed at the ends, self-extinguishing Euroclass b s1 d0.

Creation of skylights and flat and curved roofs

For curved roofing, the sheet is hot-bent with a radius of 3.5 m and 6.0 m the system is completed with accessories

For the construction of skylights with high thermal insulation characteristics in line with current regulations, we recommend the use in combination with an inner false ceiling.

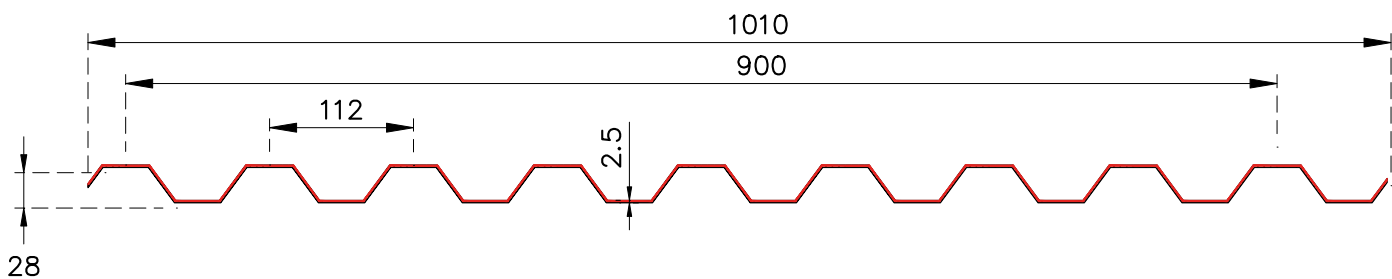
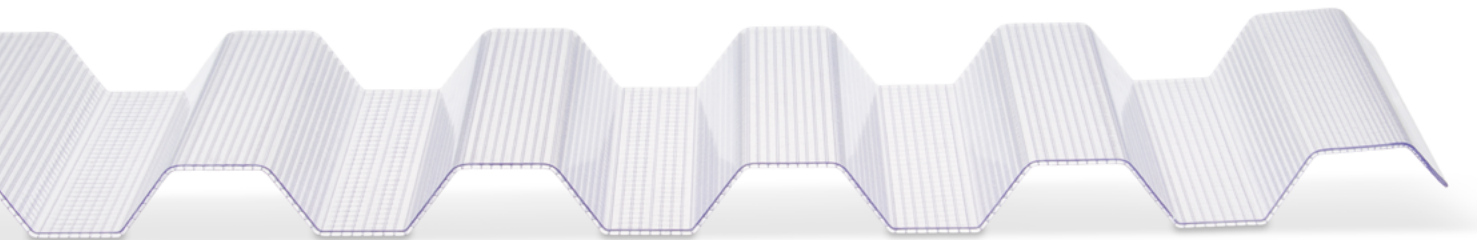
The system is completed with accessories (For details on the accessories please contact the manufacturer).



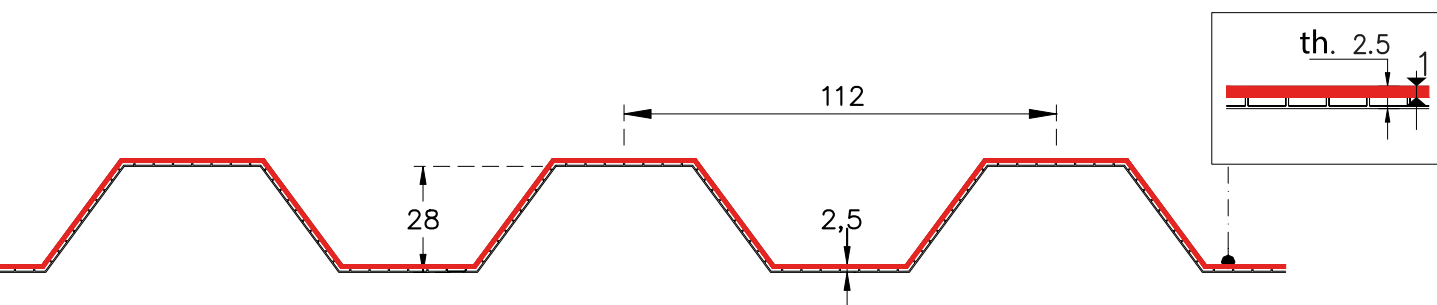
ANTI-HAIL
CERTIFICATION

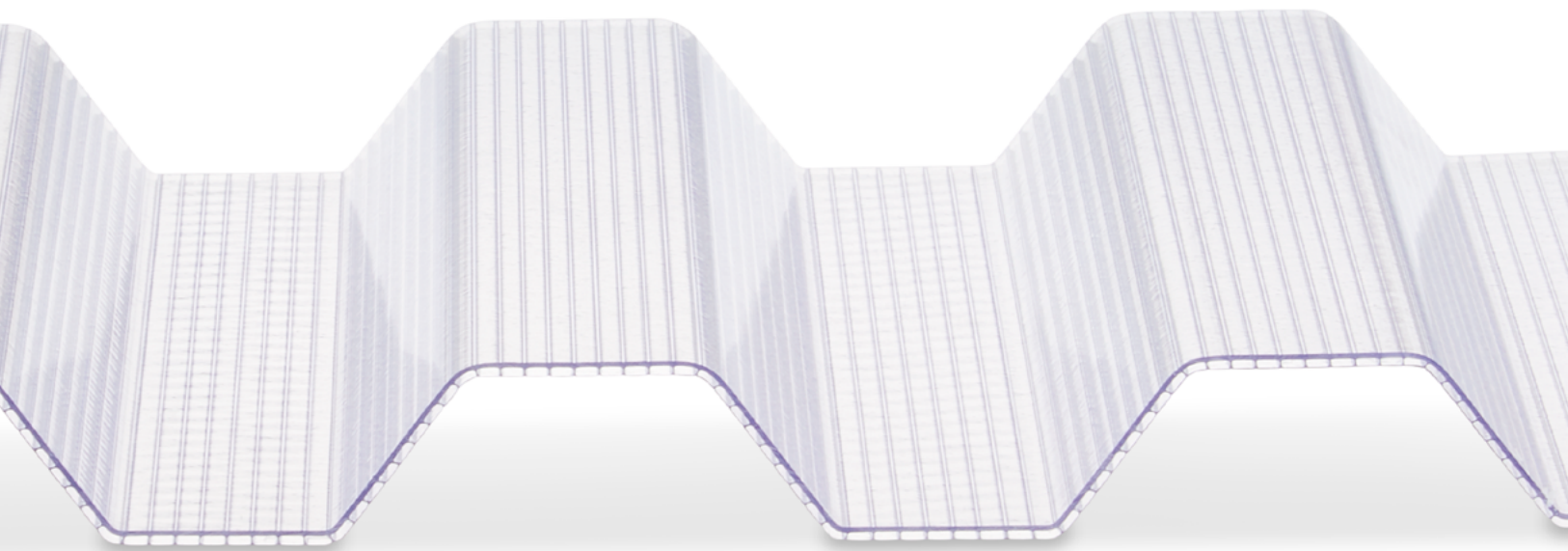
Thermal Insulation
 $U = 4,71 \text{ W/m}^2\text{K}$.

2,5
mm

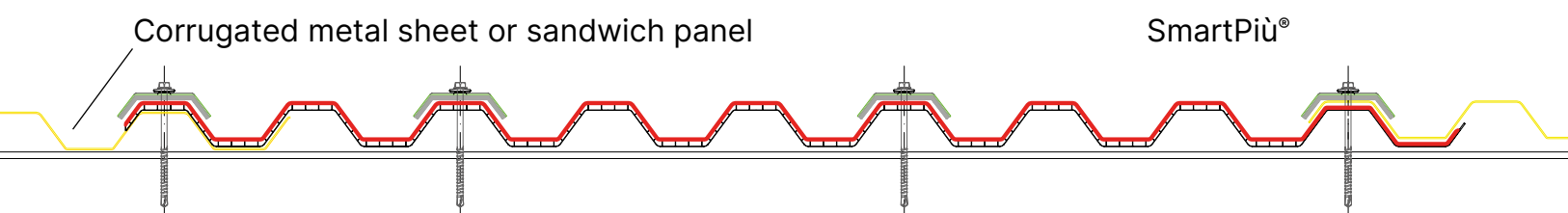


Reinforced outer layer





Installation details



THICKNESS	2,5±0,5 (reinforced outer layer with th. ~1,0 mm ±0,1)
HEIGHT OF SIDE WAVE	28 mm
STRUCTURE	twinwall
USEFUL WIDTH	900 ± 5 mm
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 4,71
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10-5 mm/mm°C*
SATINIZED CLEAR COLOUR	84% ± 2
OPAL COLOUR	76% ± 2
ANTI-HAIL CERTIFICATION	100m/s



DATA SHEET

SmartPiù® 28/112
Reinforced



* General data taken from literature

OndaPiù® 4 - 6 mm 6 waves Reinforced

The sheets are supplied in lengths to size, heat-sealed at the ends, self-extinguishing Euroclass B s1 d0.

- Creation of flat and curved roofing. For curved roofing, the sheet is hot-bent with a radius of 3.5 m and 6.0 m.
- For the construction of skylights with high thermal insulation characteristics in line with current regulations, we recommend the use in combination with an inner false ceiling.
- The system is completed with accessories (For details on accessories please contact the manufacturer).

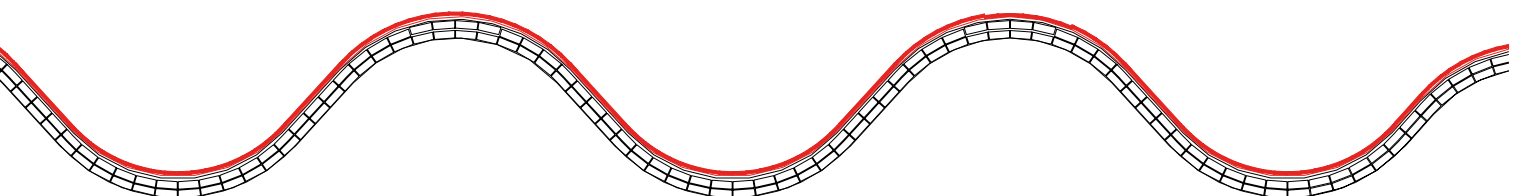
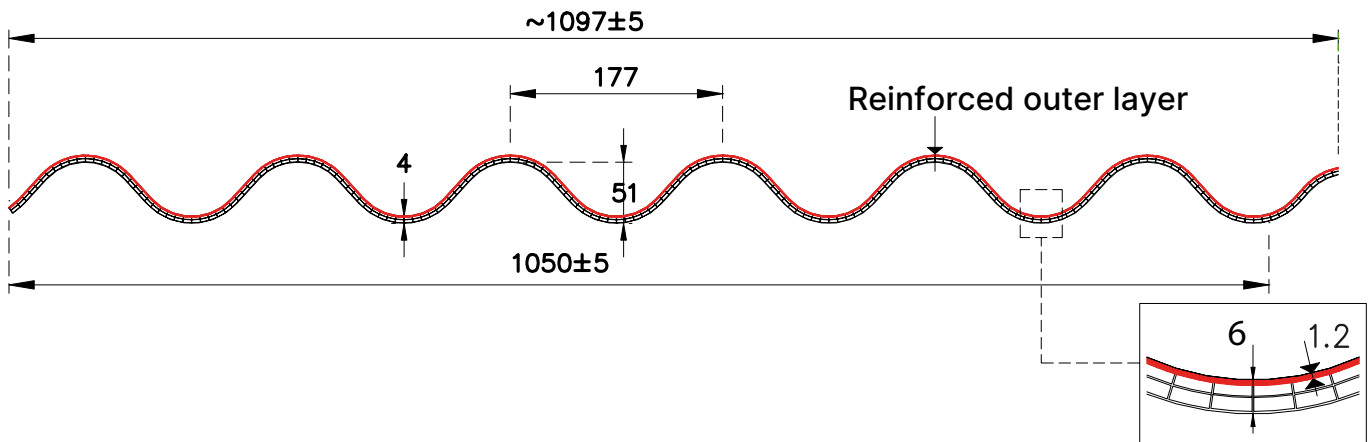
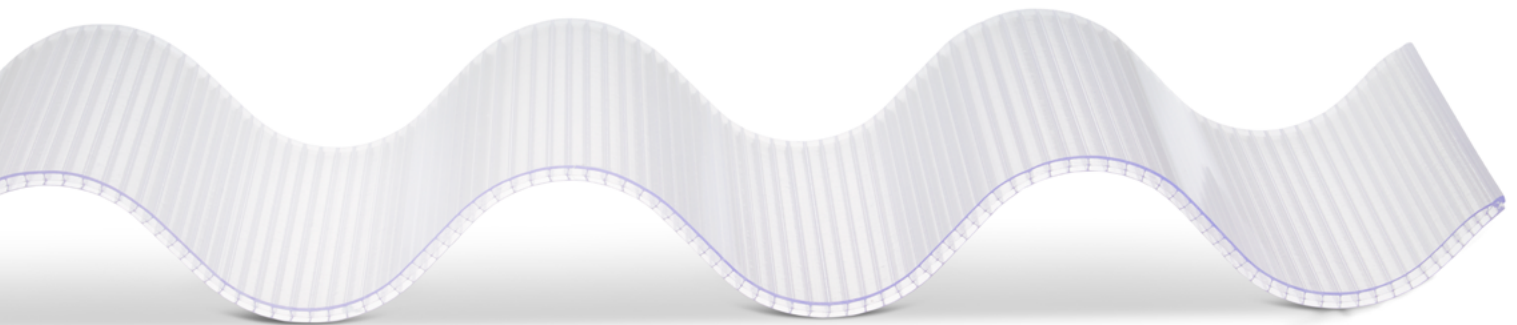


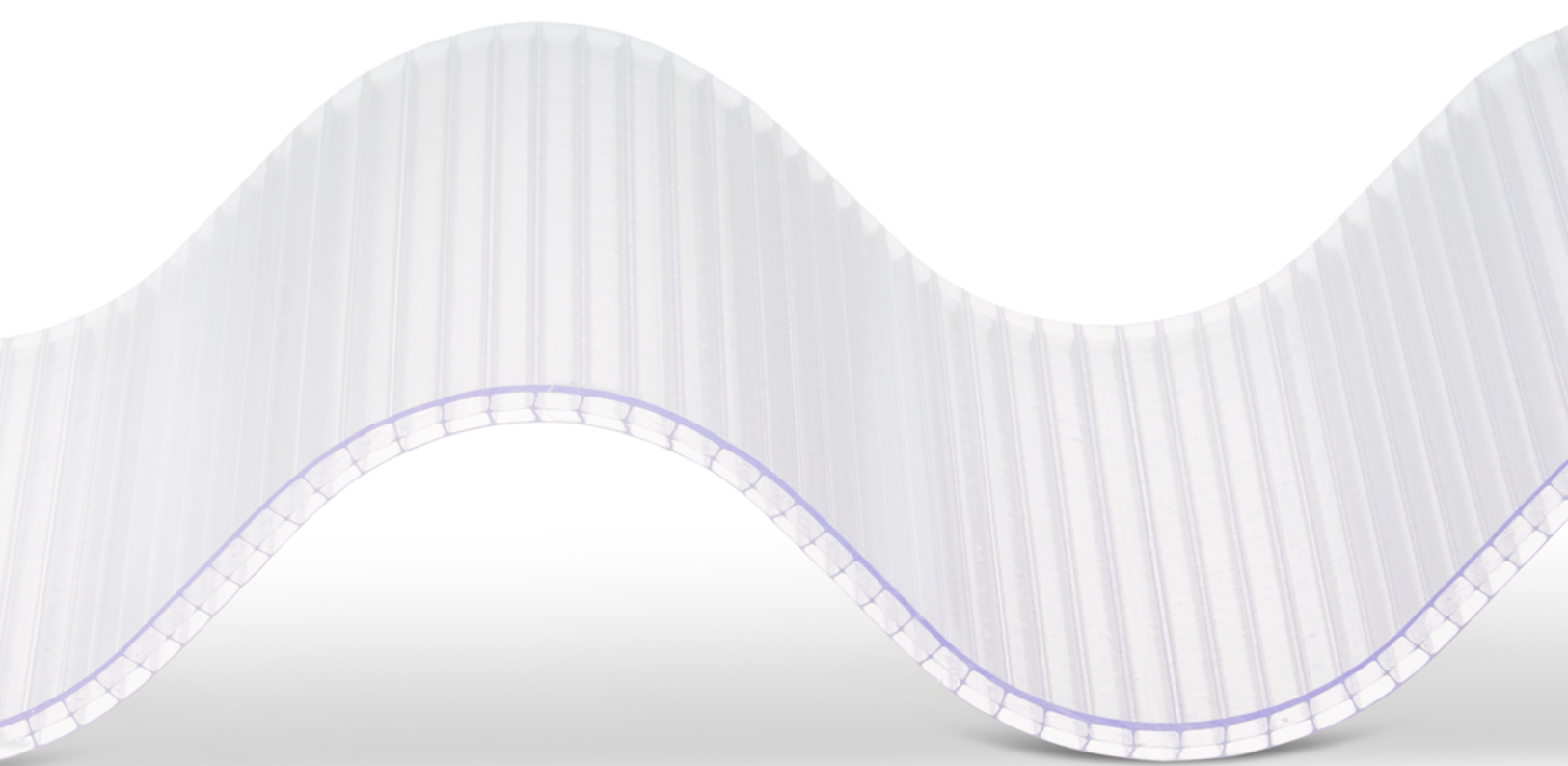
ANTI-HAIL
CERTIFICATION

Thermal Insulation
 $U = 3,30 \text{ W/m}^2\text{K}$.

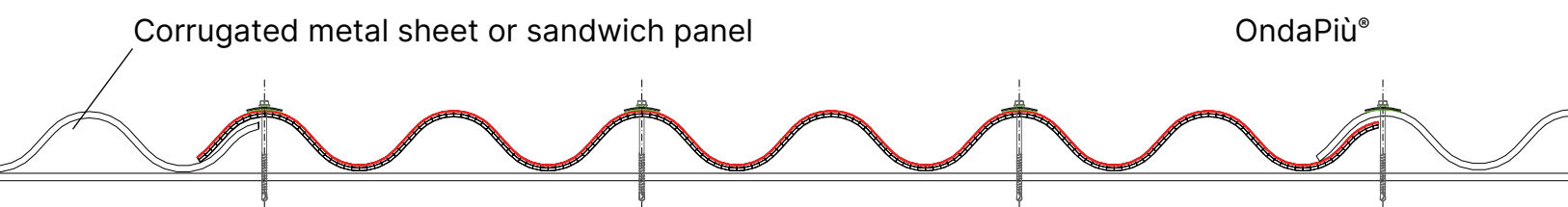
6
mm

SPECIAL TREATMENTS

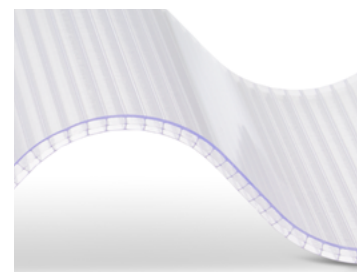




Installation details



THICKNESS	6 mm (reinforced outer layer with th. ~1,2 mm ±0,1)
STRUCTURE	3 walls
USEFUL WIDTH	1097 ± 5 mm (6 waves)
SHEET LENGTH	upon request (max. length recommended is 7 mtr)
THERMAL INSULATION	U= 3,30
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*
SATINIZED CLEAR COLOUR	80% ± 2
OPAL COLOUR	68% ± 2
ANTI-HAIL CERTIFICATION	92m/s



DATA SHEET

OndaPiù®
Reinforced



* General data taken from literature

CarboPiù® Reinforced

The Reinforced Honeycomb CarboPiù® System. Reinforced sheets with increased external thickness and UV protection. They combine the characteristics of a compact sheet with the insulation, which is certainly greater, of normal honeycomb sheets. They are more resistant to accidental impacts, hail, atmospheric agents and self-extinguishing in Euroclass B s1 d0. Finishing and closing accessories complete the assembly of the sheets.



ANTI-HAIL
CERTIFICATION

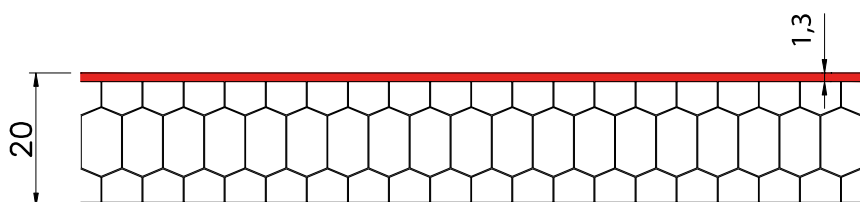
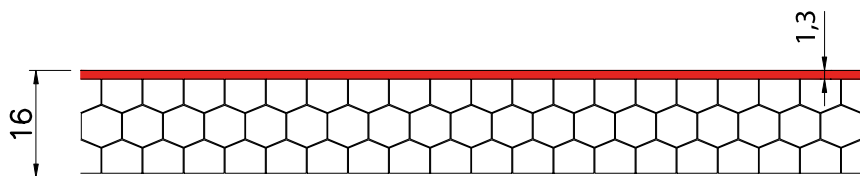
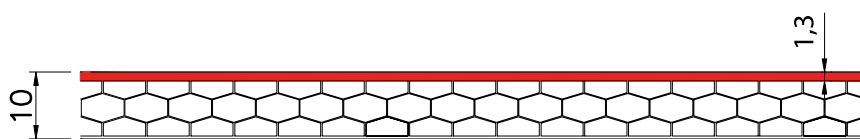
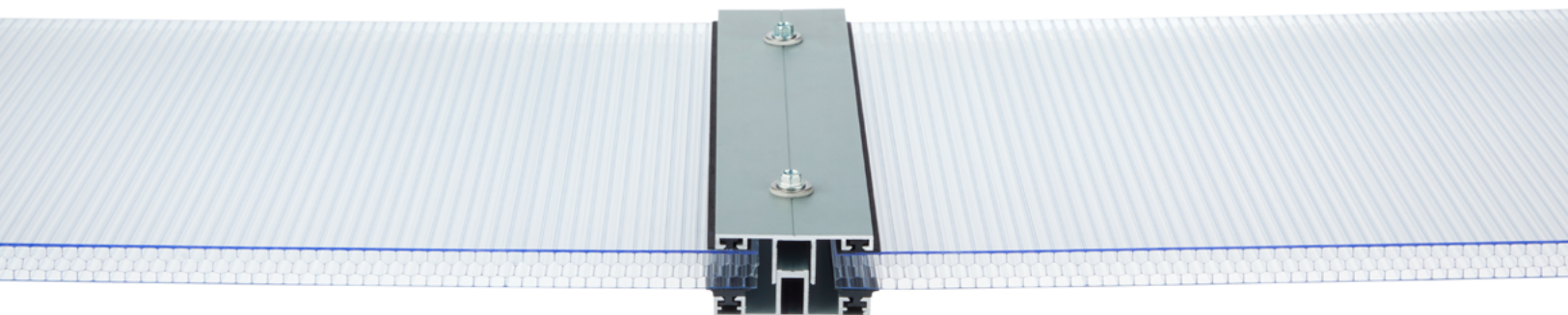
Thermal Insulation
 $U = 2,50 - 1,99 - 1,80 \text{ W/m}^2\text{K}$.

10
mm

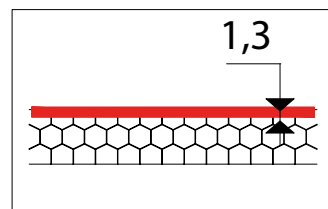
16
mm

20
mm

SPECIAL TREATMENTS

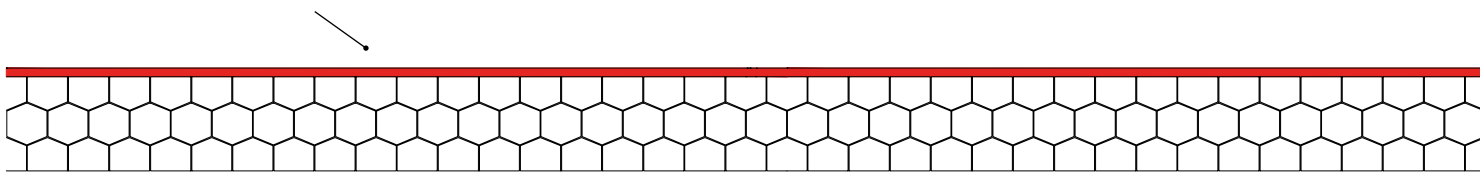


Reinforced outer layer

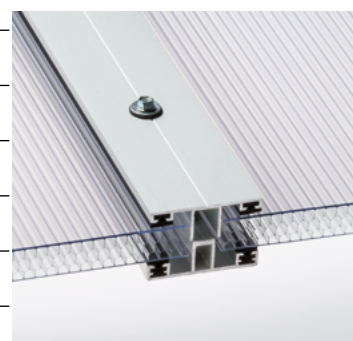




Reinforced outer layer



THICKNESS	10 mm	16 mm	20 mm
STRUCTURE	Honeycomb (reinforced outer layer with th. ~1,3 mm ±0,1)		
USEFUL WIDTH	2100 ± 5 mm		
SHEET LENGTH	6000 mm		
THERMAL INSULATION	U= 2,50	U= 1,99	U= 1,80
MIN. CURVING RADIUS	2000 mm	3000 mm	4000 mm
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
CLEAR COLOUR	63% ± 2	58% ± 2	56% ± 2
OPAL COLOUR	43% ± 2	35% ± 2	30% ± 2
ANTI-HAIL CERTIFICATION	75m/s	100 m/s	100 m/s



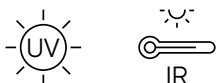
DATA SHEET
CarboPiù®
Reinforced



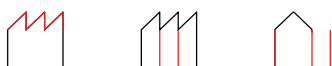
* General data taken from literature

Coverbanpiù® is an innovative self-supporting multiwall dome specifically designed for skylights in industrial roofing. It has a five-wall structure with variable thickness, from 20 mm at the ends to 30 mm at the centre, and its special shape is achieved by extrusion. Complete with a reinforced external layer, it has outstanding performance characteristics, such as resistance, insulation and evenly distributed loading capability in the roofing. Thanks to its properties, it offers excellent resistance to atmospheric agents, such as rain, wind, snow, ice and hail. This product is self-extinguishing in class B s1 d0.

SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

Good load-bearing resistance

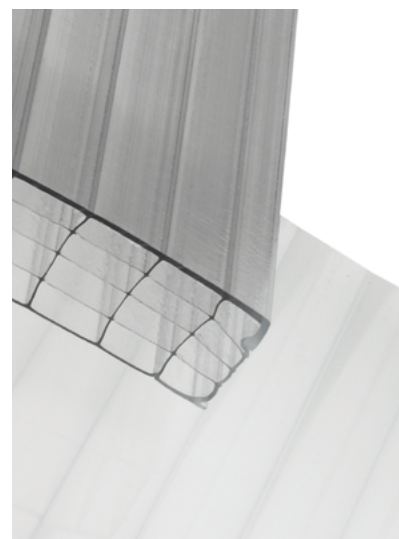
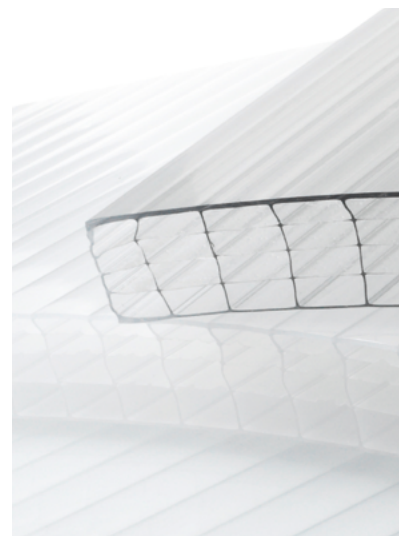
Ease/cost-effectiveness of fitting

Option of opening parts

UV protection

Hail resistance

System complete with accessories





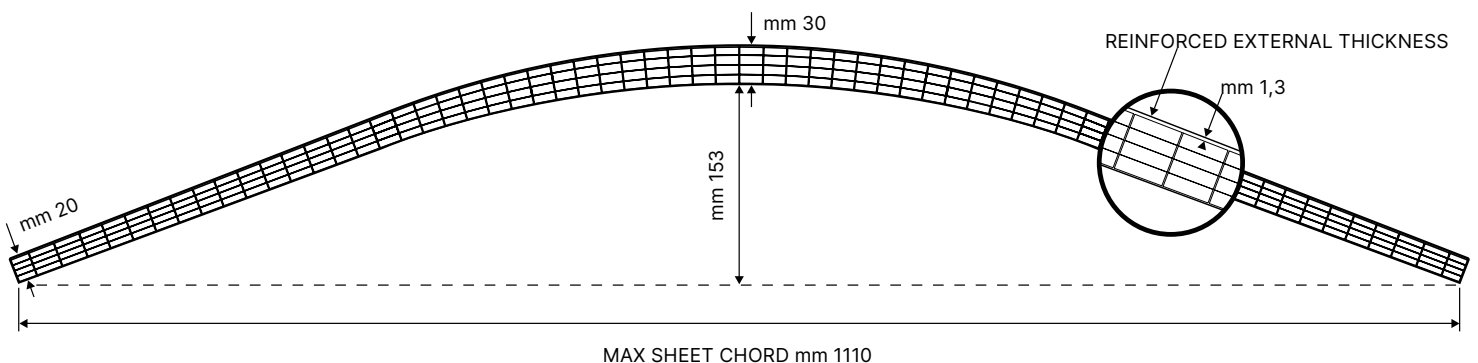
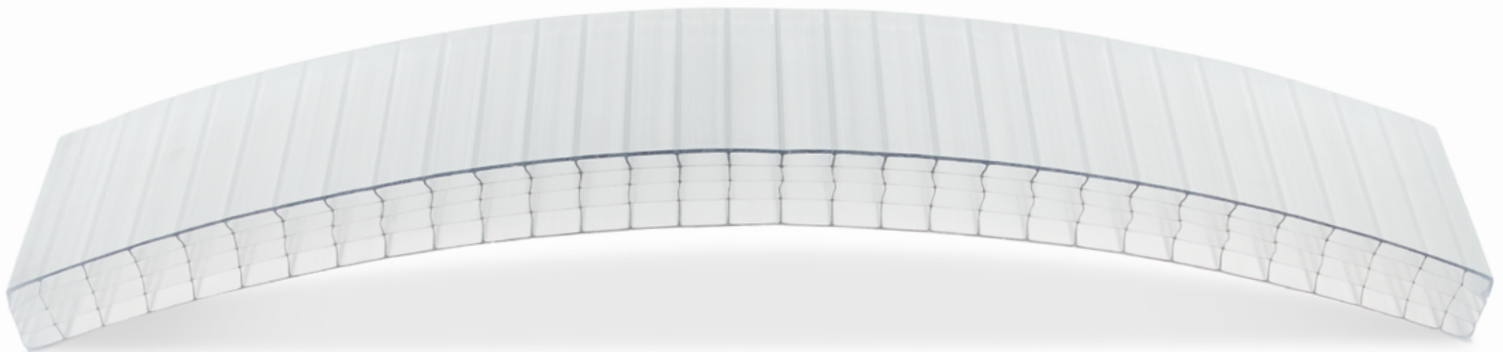
CoverbanPiù®

Realisation of skylights and industrial roofing with CoverbanPiù® consisting of:

- Multiwall polycarbonate sheets with 5 walls.
- Taped ends.
- External protection from UV rays
- Sheet chord mm 1110 ± 5
- Customised lengths.
- Reinforced external layer.

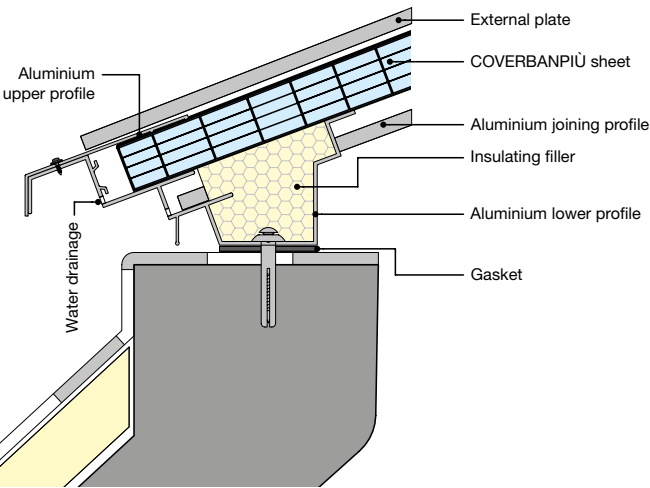
Thermal Insulation
 $U = 1,56 \text{ W/m}^2\text{K}$.

30*
mm

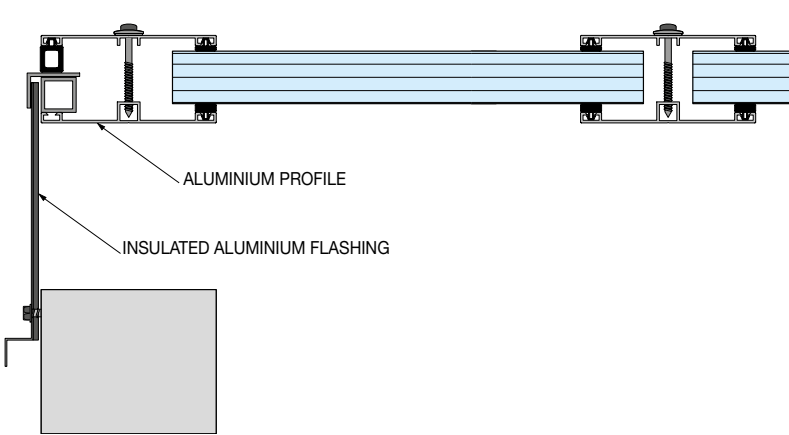


The anchoring of CoverbanPiù® to the side supports is achieved with two metal profiles that permit the longitudinal and lateral expansions of the sheets without causing breakage or capillary cracking. The lower profile is fixed with appropriate screws on the concrete kerb or to the metal structure of the corrugated panel so that the dome can be positioned. The upper profile is assembled on the lower profile without holes for locking the sheet. Joints with aluminium profiles and curved closing headers in insulated aluminium complete the system.

APPLICATION ON CONCRETE KERB



CURVED CLOSING HEADER WITH ALUMINIUM JOINT



THICKNESS	*from 20 to 30 mm
STRUCTURE	5 walls
USEFUL WIDTH	1110 ± 5 mm
SHEET LENGTH	customised
END SEALING	taped ends
THERMAL INSULATION	U= 1,56
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*
SATINIZED CLEAR COLOUR	55% ± 2
OPAL COLOUR	35% ± 2

DATA SHEET
CoverbanPiù®



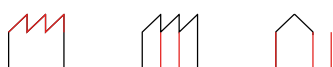
*General data taken from literature

PanelPiù® is a modular system in interlocking multiwall polycarbonate specifically designed for realising vertical glazings and industrial windows. Available in different type of variable thickness between 16 and 65 mm, this product offers an excellent quality to price ratio and has high light transmittance, good heat insulation properties and a design without visible joints. The system is also equipped with rubber gaskets and framing profiles that help strengthen its resistance. This product is protected from UV rays and is also suitable for external applications.

SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

Flat sheets

High resistance to wind load

High light transmission

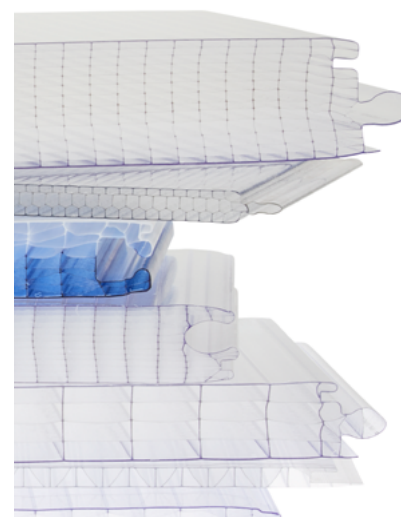
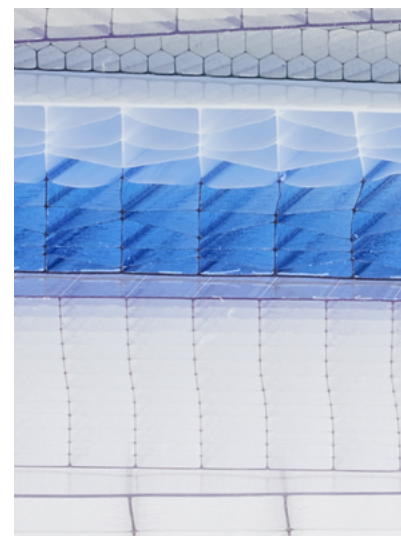
Pleasant aesthetic effect

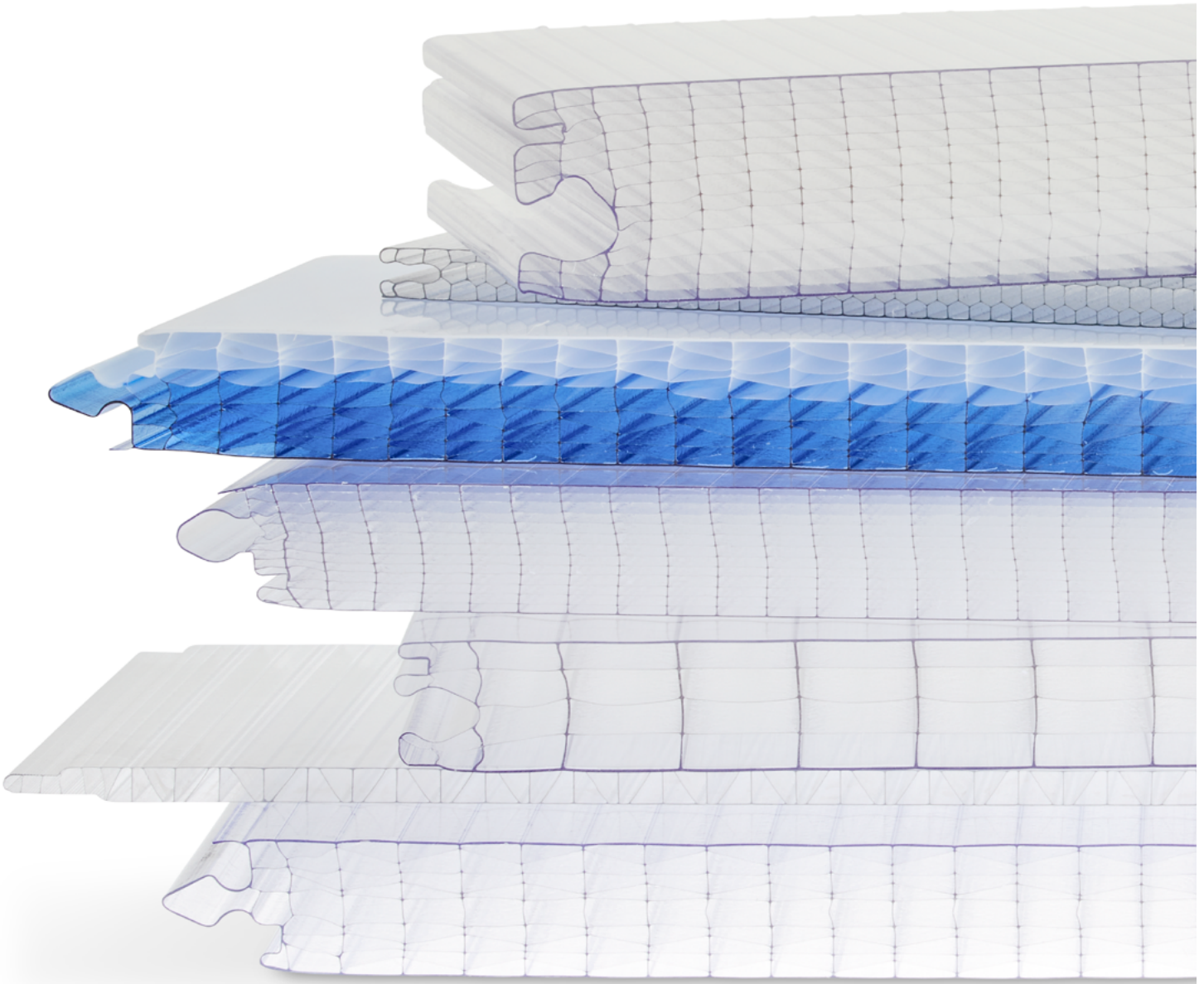
Possibility of windows

Possibility of thermal break profiles

UV protection

System complete with accessories





Seplux® 20-25 Plus 6 walls

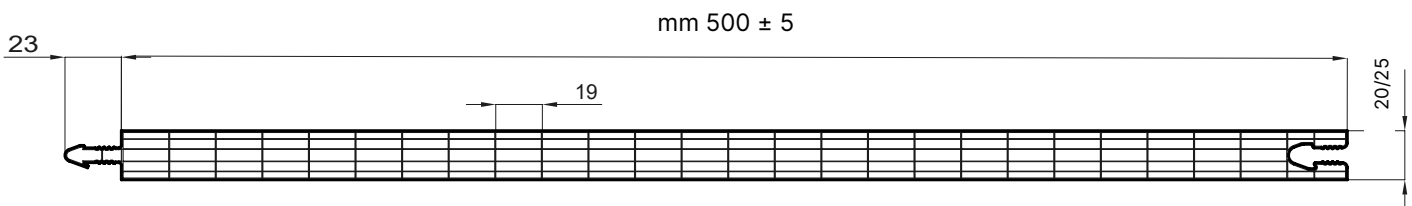
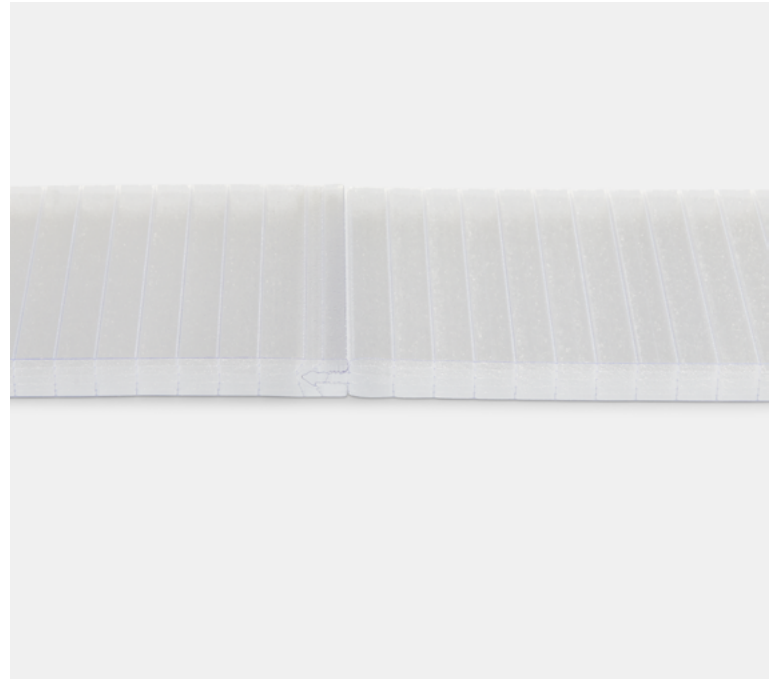
Realisation of vertical glazings
with modular interlocking sheets, extruded
in multiwall polycarbonate.

- Taped ends
- External protection from UV rays
- Useful width mm 500 ± 5
- Customised lengths.

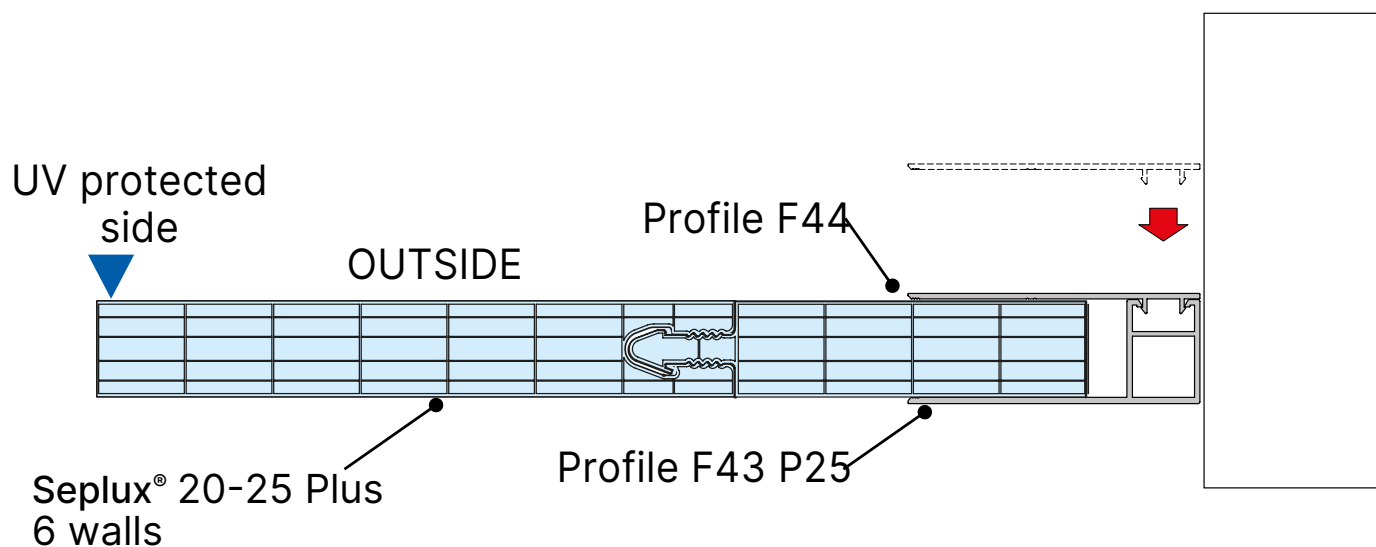
Thermal Insulation
 $U = 1,7 - 1,5 \text{ W/m}^2\text{K}$.

20
mm

25
mm



Side profile of Seplux® 20-25 Plus 6 walls



THICKNESS	20 mm	25 mm
STRUCTURE	6 walls	
USEFUL WIDTH	500 ± 5 mm	
SHEET LENGTH	customised (max. 7 m is recommended)	
THERMAL INSULATION	U= 1,7	U= 1,5
TEMPERATURE WORKING RANGE	- 40°C + 130° C	
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*	
SATINIZED CLEAR COLOUR	63% ± 2	62% ± 2
OPAL COLOUR	39% ± 2	50% ± 2

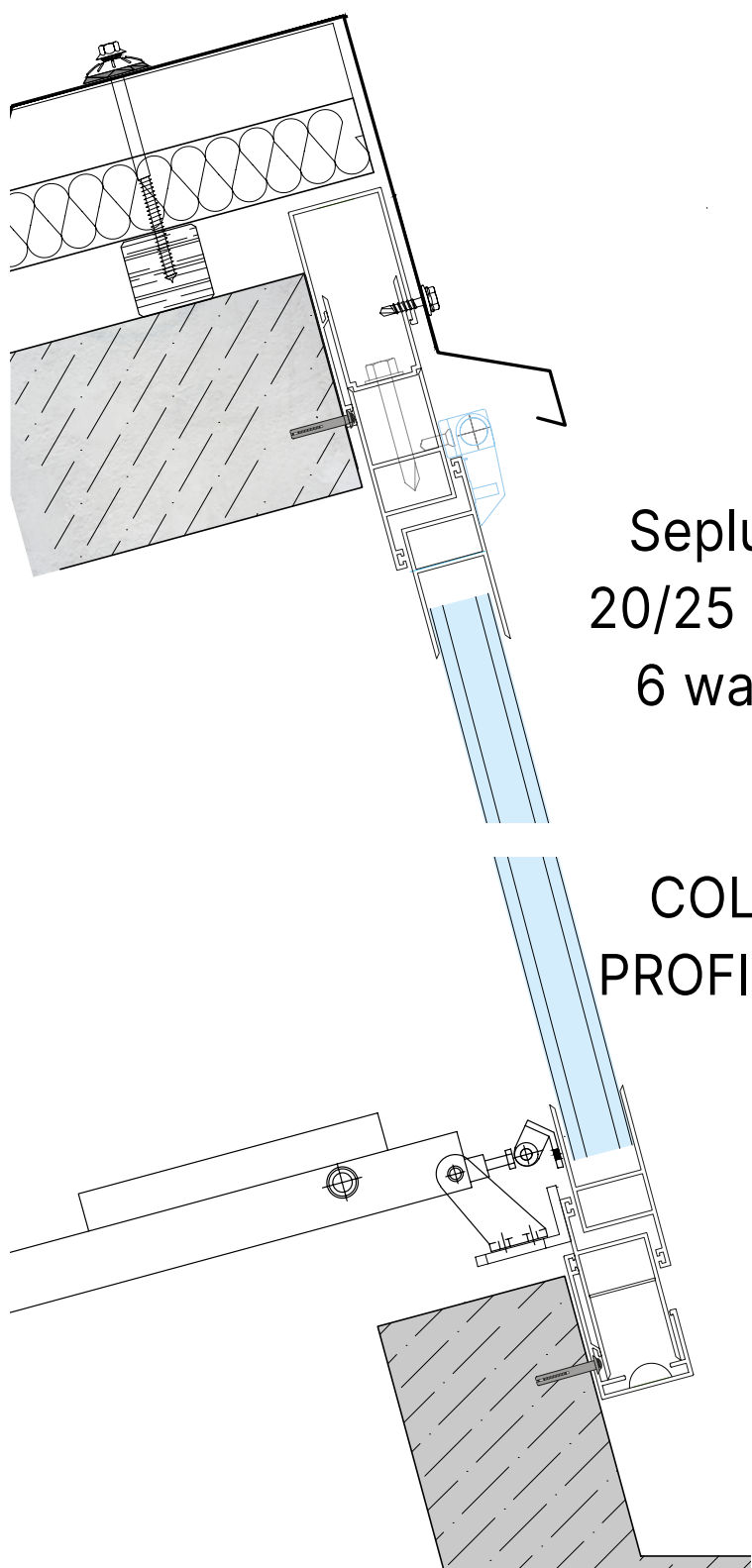
*General data taken from literature



DATA SHEET
Seplux® 20-25
Plus 6 walls



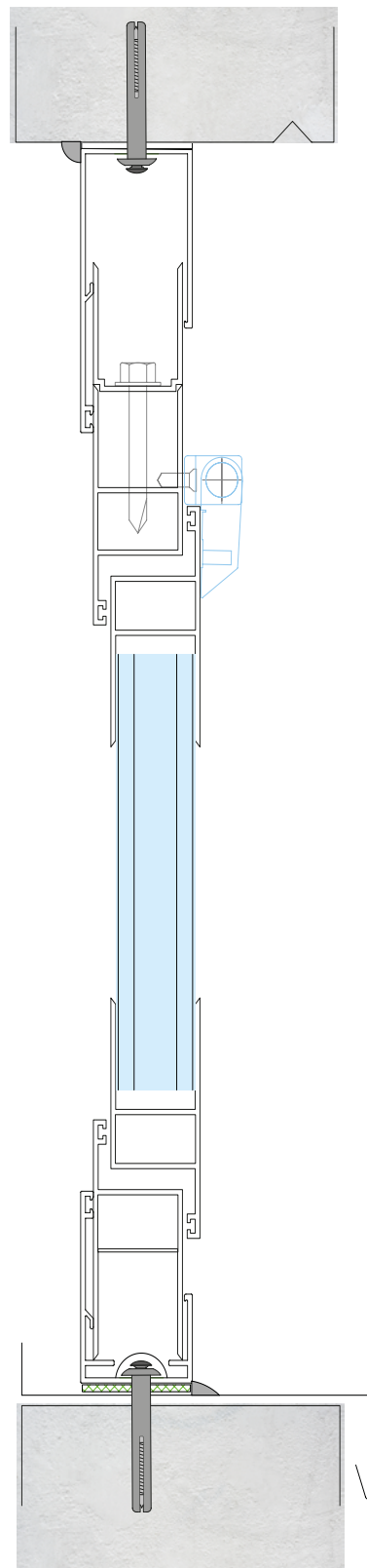
CROSS SECTION
OPENING WINDOW
ON SLANTING NORTHLIGHT



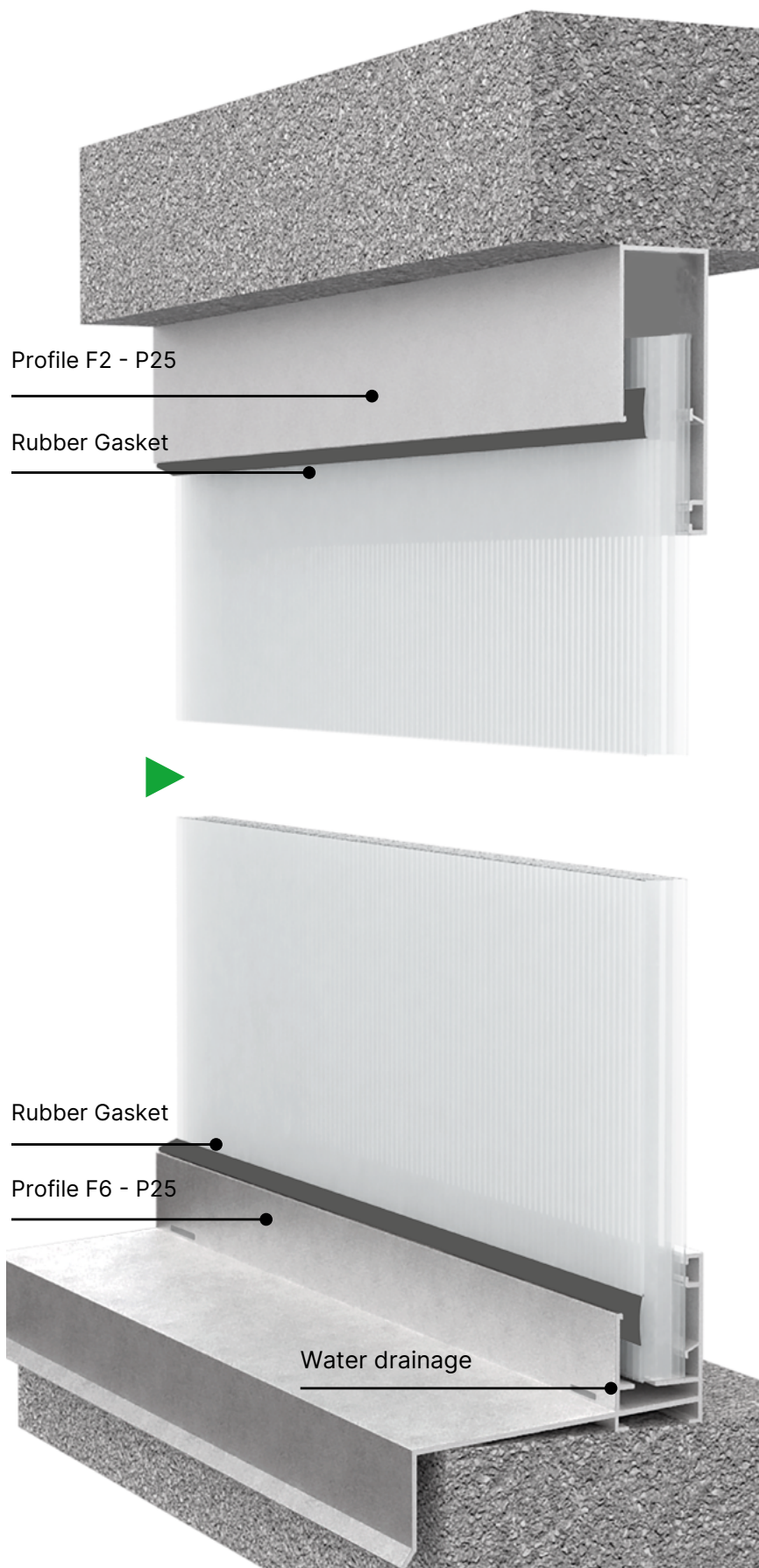
Seplux®
20/25 Plus
6 walls

COLD
PROFILES

CROSS SECTION
OPENING WINDOW
ON VERTICAL GLAZING



VERTICAL GLAZING with cold aluminium profiles



LUAR FALL 2024 FASHION SHOW
(AB)NORMAL
New York, United States · 2024
PanelPiù® 500/40 5 Walls· Clear
© Andrea Casagrande



PanelPiù® 500/40mm 5 walls

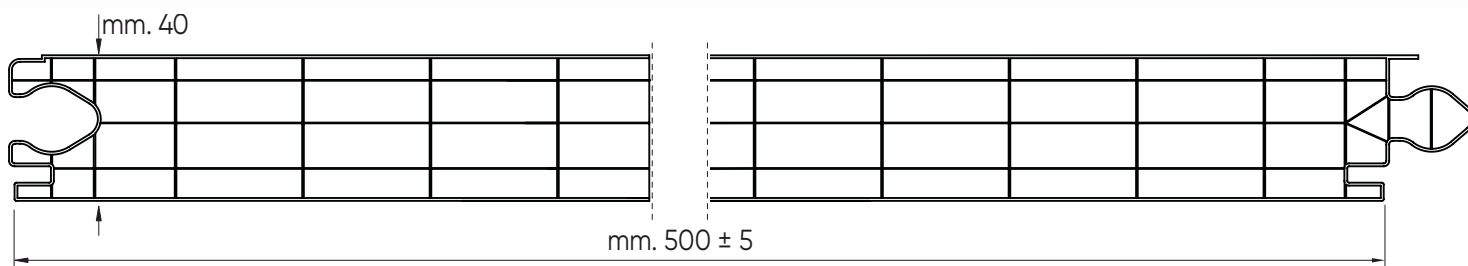
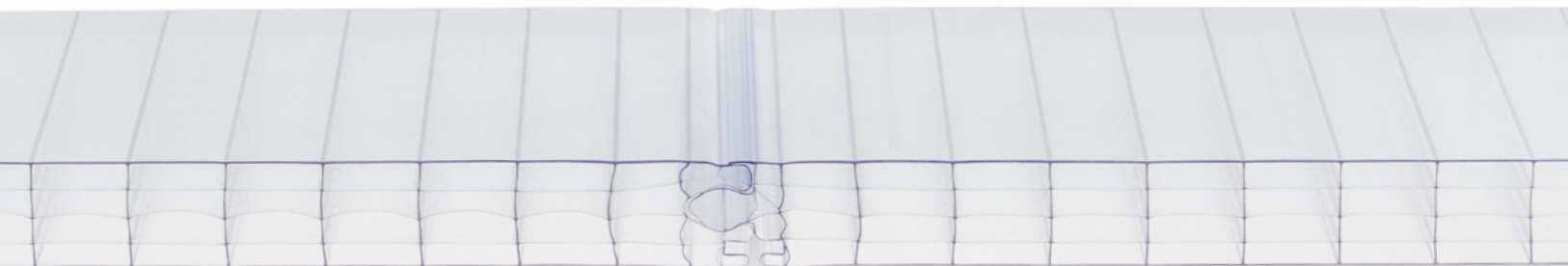
Realisation of vertical glazings with modular interlocking sheets, extruded in multiwall polycarbonate

- Taped ends
- External protection from UV rays
- Useful width mm 500 ± 5
- Customised lengths.

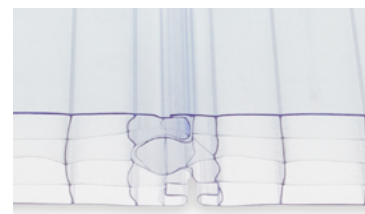
Thermal Insulation
 $U = 1,30 \text{ W/m}^2\text{K}$.

40
mm

SPECIAL TREATMENTS



THICKNESS	40 mm
STRUCTURE	5 walls
USEFUL WIDTH	500 ± 5 mm
SHEET LENGTH	customised (max. 7 m is recommended)
THERMAL INSULATION	$U = 1,30$
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	$6,7 \times 10^{-5} \text{ mm/mm}^\circ\text{C}^*$
SATINIZED CLEAR COLOUR	61% ± 2
OPAL COLOUR	52% ± 2



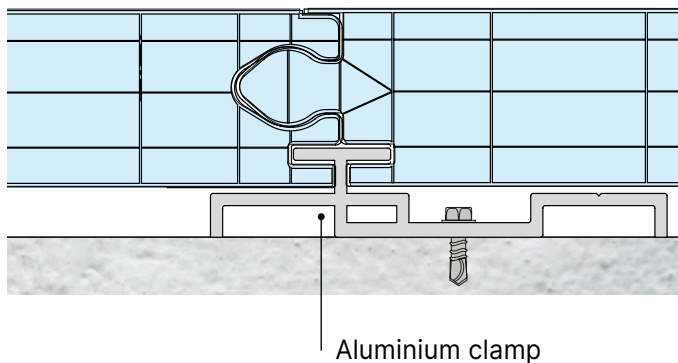
DATA SHEET
PanelPiù® 500/
40 mm 5 walls



* General data taken from literature

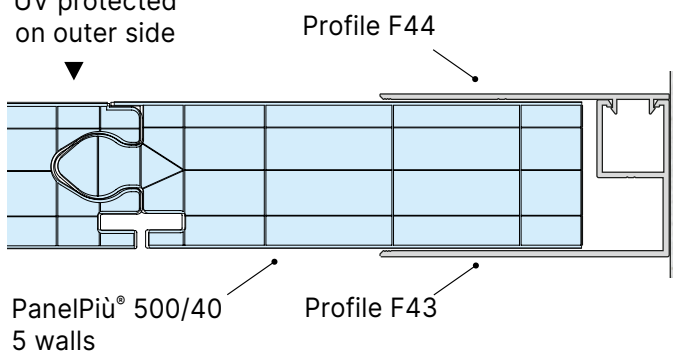
Clamp for PanelPiù® 500/40 5 walls

UV protected
on outer side



Side profile PanelPiù® 500/40 5 walls

UV protected
on outer side



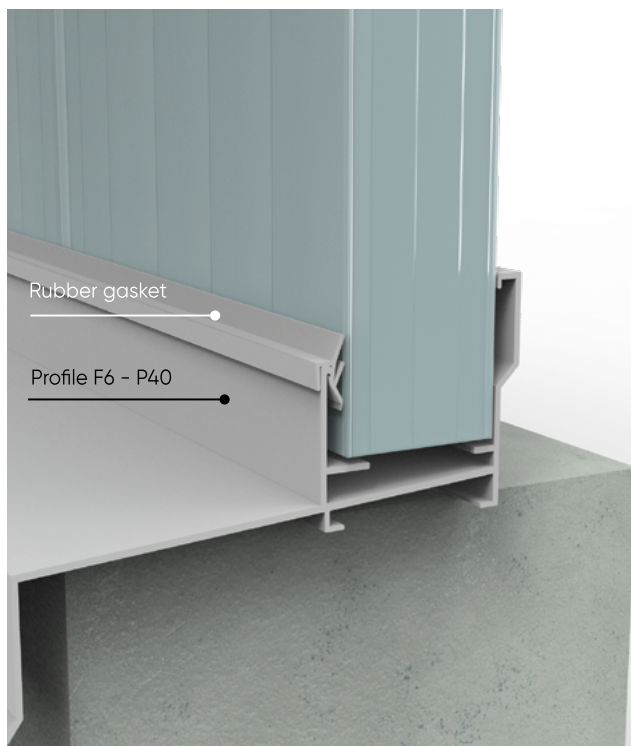
CAPANNONE 15/C
Zamboni Associati con Cairepro
Reggio Emilia, Italy · 2024
PanelPiù® 500/55 14 Walls · Clear
© Kai-Uwe Schulte-Bunert © Zamboni Associati Architettura



VERTICAL GLAZING with cold aluminium profiles



Outside



PanelPiù® 500/40mm 10 walls

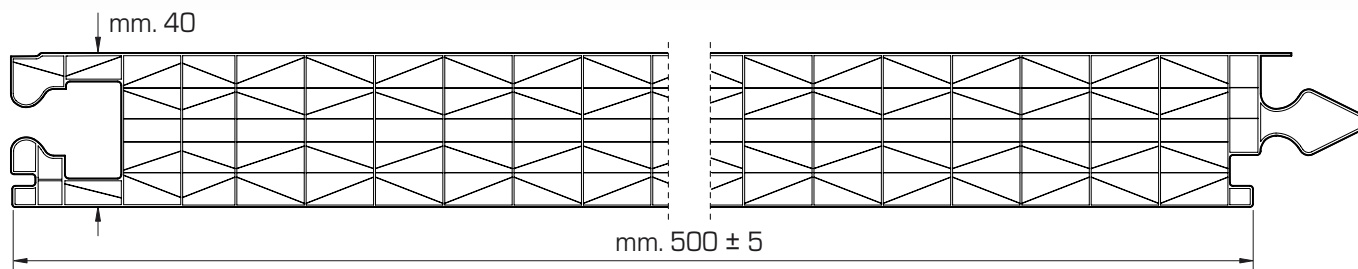
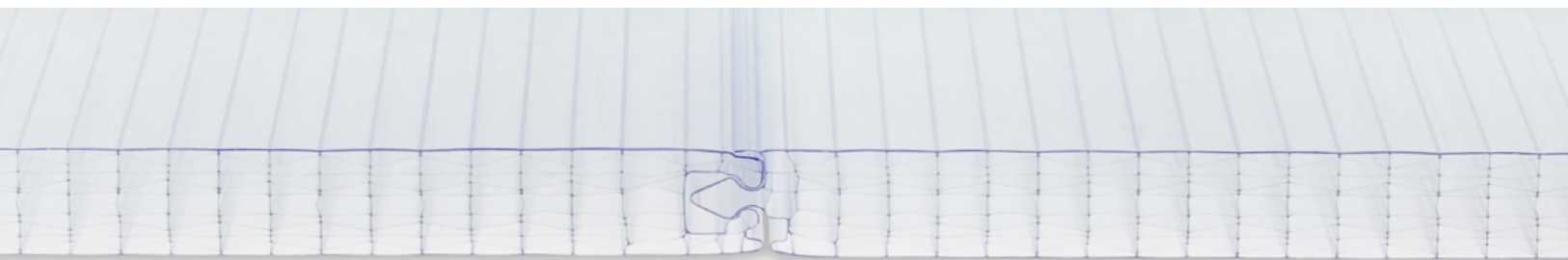
Realisation of vertical glazings
with modular interlocking sheets, extruded
in multiwall polycarbonate.

Taped ends
External protection from UV rays
Useful width mm 500 ± 5
Customised lengths.

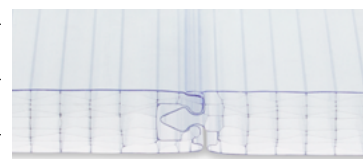
Thermal Insulation
 $U = 1,00 \text{ W/m}^2\text{K}$.

40
mm

SPECIAL TREATMENTS



THICKNESS	40 mm
STRUCTURE	10 "X" walls
USEFUL WIDTH	$500 \pm 5 \text{ mm}$
SHEET LENGTH	customised (max. 7 m is recommended)
THERMAL INSULATION	$U = 1,00$
TEMPERATURE WORKING RANGE	$- 40^{\circ}\text{C} + 130^{\circ}\text{C}$
LINEAR THERMAL EXPANSION	$6,7 \times 10^{-5} \text{ mm/mm}^{\circ}\text{C}^*$
SATINIZED CLEAR COLOUR	$47\% \pm 2$
OPAL COLOUR	$35\% \pm 2$

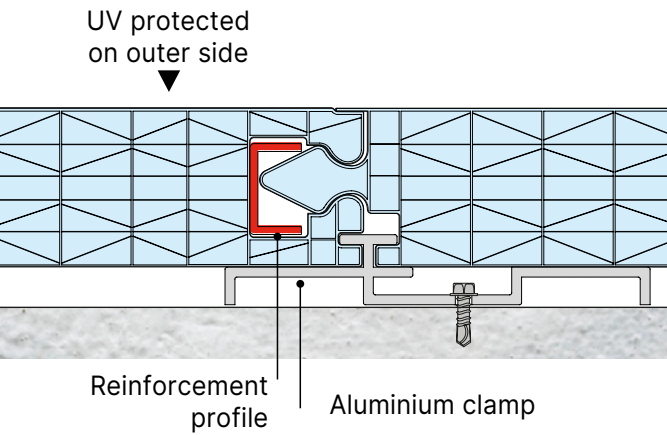


DATA SHEET
PanelPiù®
500/ 40mm 10

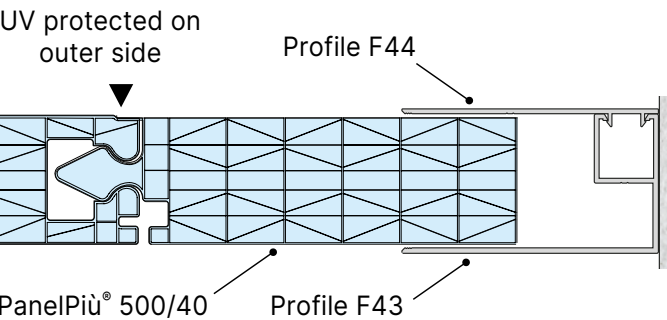


* General data taken from literature

Clamp for PanelPiù® 500/40 10 walls



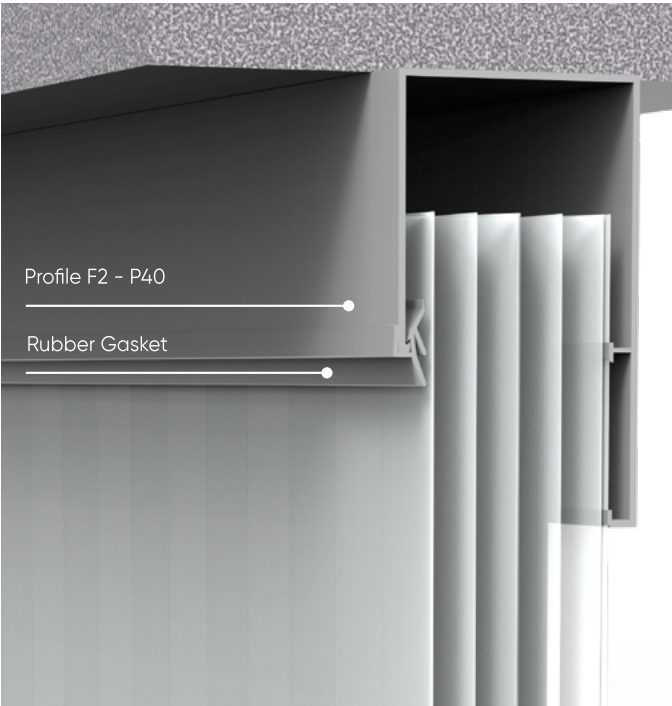
Side profile PanelPiù® 500/40 10 walls



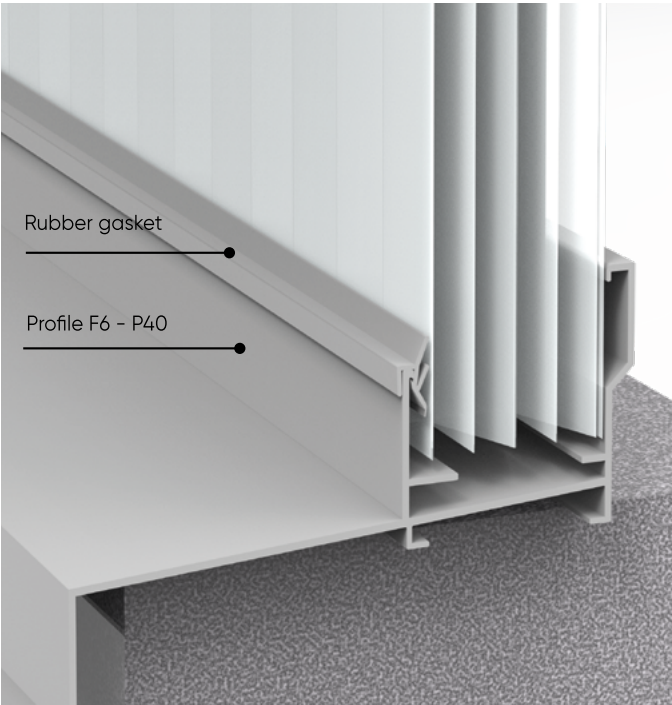
TEATRO BORSONI
ARW ASSOCIATES
Brescia, Italy · 2024
PanelPiù® 500/40 10 Walls · Opal 35
© Federico Covre



VERTICAL GLAZING with cold aluminium profiles



Outside



PanelPiù® 500/40mm 14 walls

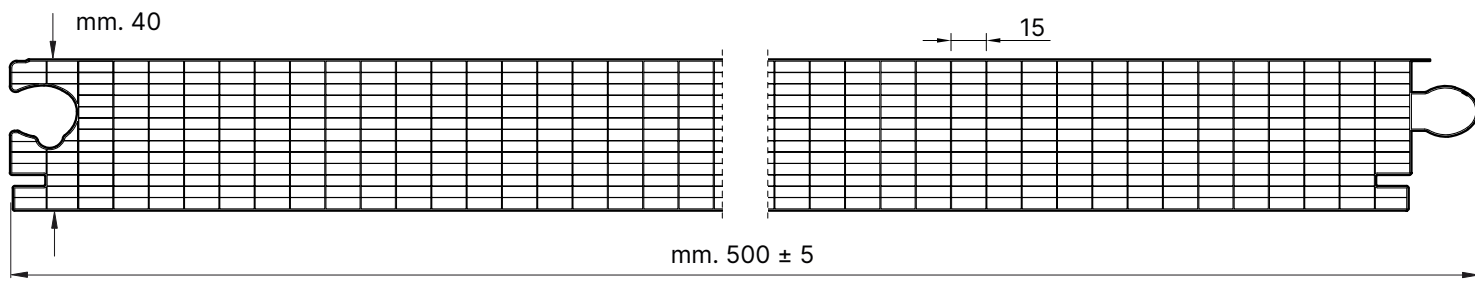
Realisation of vertical glazings with modular interlocking sheets, extruded in multiwall polycarbonate.

- Taped ends
- External protection from UV rays
- Useful width mm 500 ± 5
- Customised lengths.
- Thermal insulation below 1 (U= 0.92)
- **ETA No. 23/0301**
- The best U Value on the market

Thermal insulation
 $U = 0,92 \text{ W/m}^2\text{K}$
THE BEST U-VALUE ON THE MARKET

40
mm

SPECIAL TREATMENTS



THICKNESS	40 mm
STRUCTURE	14 walls
USEFUL WIDTH	500 ± 5 mm
SHEET LENGTH	customised (max. 7 m is recommended)
THERMAL INSULATION	U= 0,92
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	$6,7 \times 10^{-5} \text{ mm/mm}^\circ\text{C}^*$
SATINIZED CLEAR COLOUR	40% ± 2
OPAL COLOUR	30% ± 2



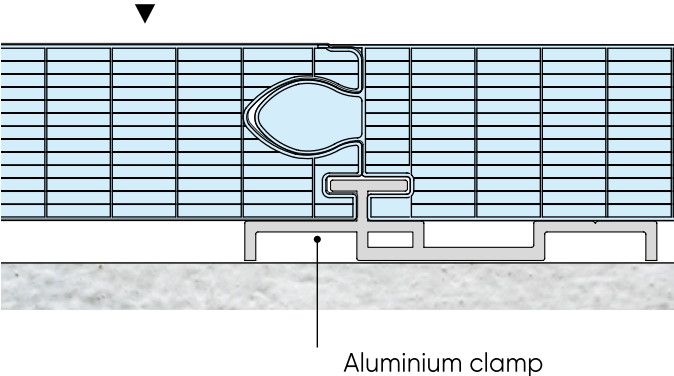
DATA SHEET
PanelPiù® 500/ 40
14 walls



*General data taken from literature

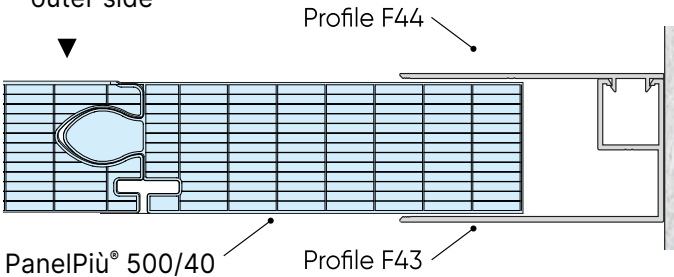
Clamp for PanelPiù® 500/40 14 walls

UV protected on
outer side

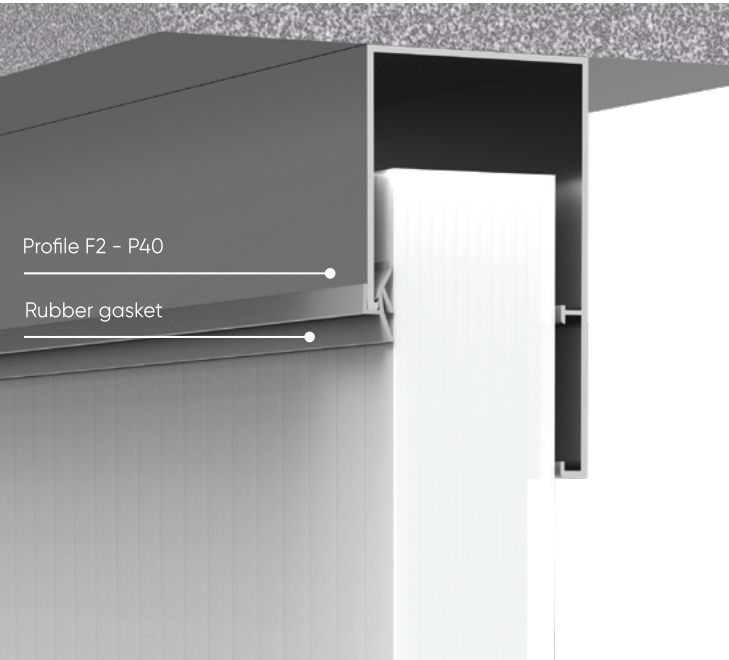


Side profile PanelPiù® 500/40 14 walls

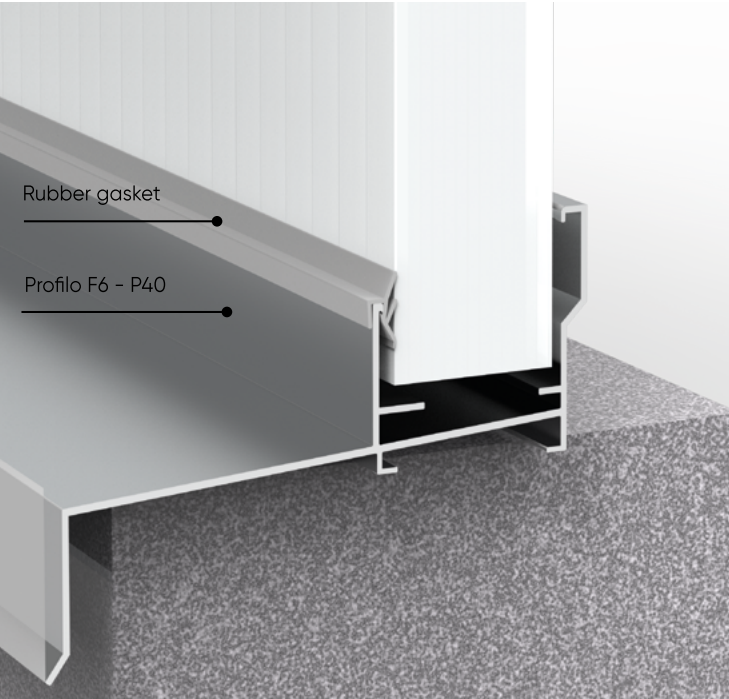
UV protected on
outer side



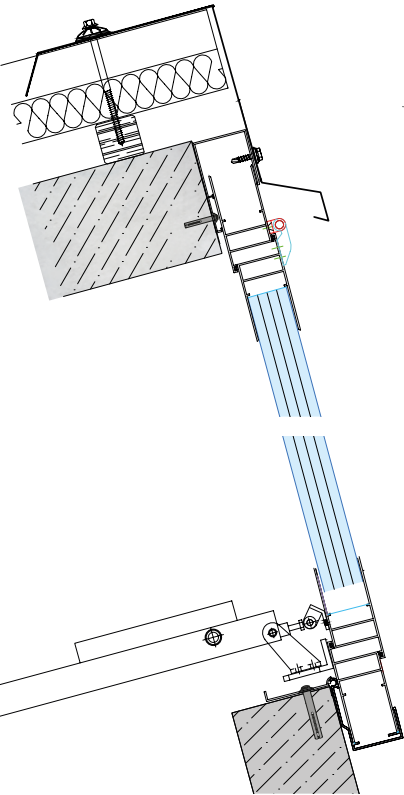
VERTICAL GLAZING with cold aluminium profiles



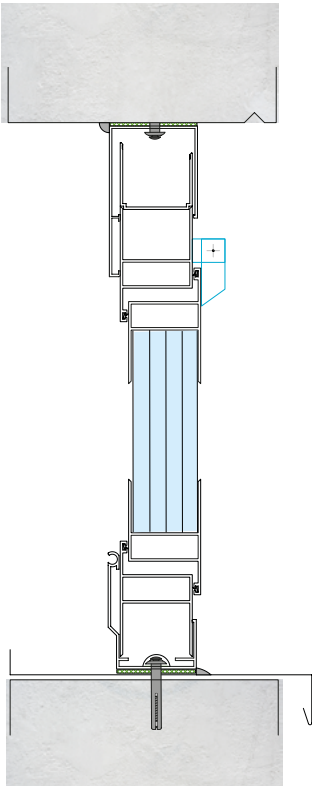
Outside



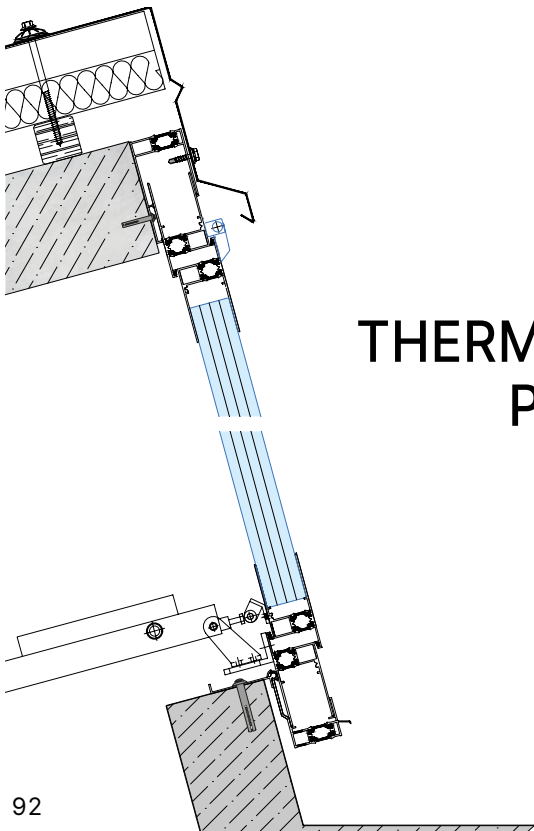
CROSS SECTION
OPENING WINDOW
ON SLANTING NORTHLIGHT



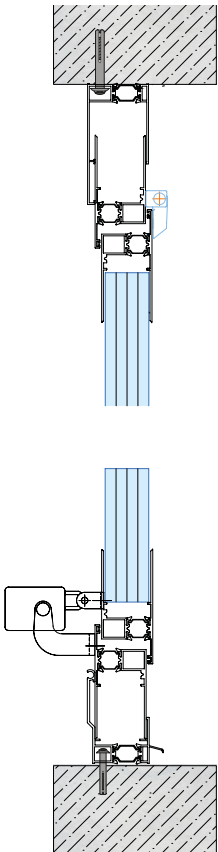
CROSS SECTION
OPENING WINDOW
ON VERTICAL GLAZING



COLD
PROFILES



THERMALLY BROKEN
PROFILES



Vertical section with profile PanelPiù® 500/40 14 walls

Upper
profile F2 TB



Lower
profile F6 TB



Profile without wall-cover

PanelPiù® 500/14 walls

Realisation of vertical glazings with modular interlocking sheets, extruded in multiwall polycarbonate.

- Taped ends
- External protection from UV rays
- Useful width mm 500 ± 5
- Customised lengths
- High thermal insulation value
- High impact resistance

ETA No. 23/0301 for PANEL 500/60

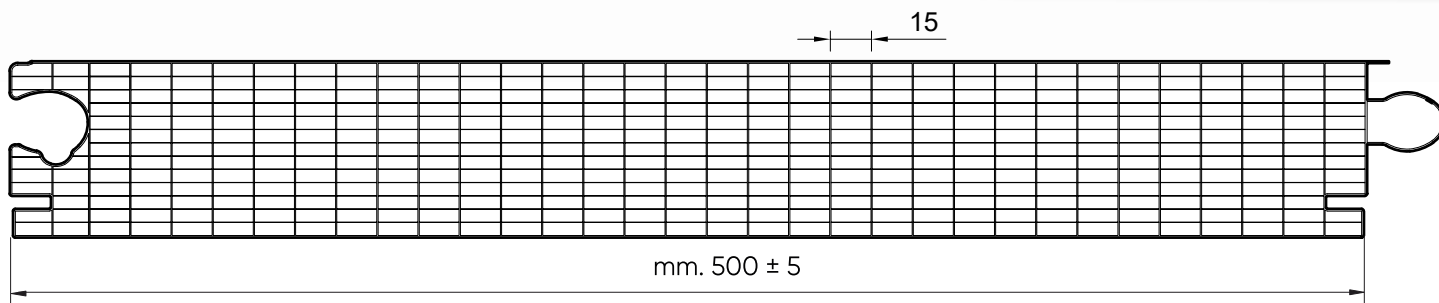
Thermal Insulation
 $U = 0,74 - 0,69 - 0,67 \text{ W/m}^2\text{K}$.
 THE BEST U VALUE ON MARKET

55
mm

60
mm

65
mm

SPECIAL TREATMENTS



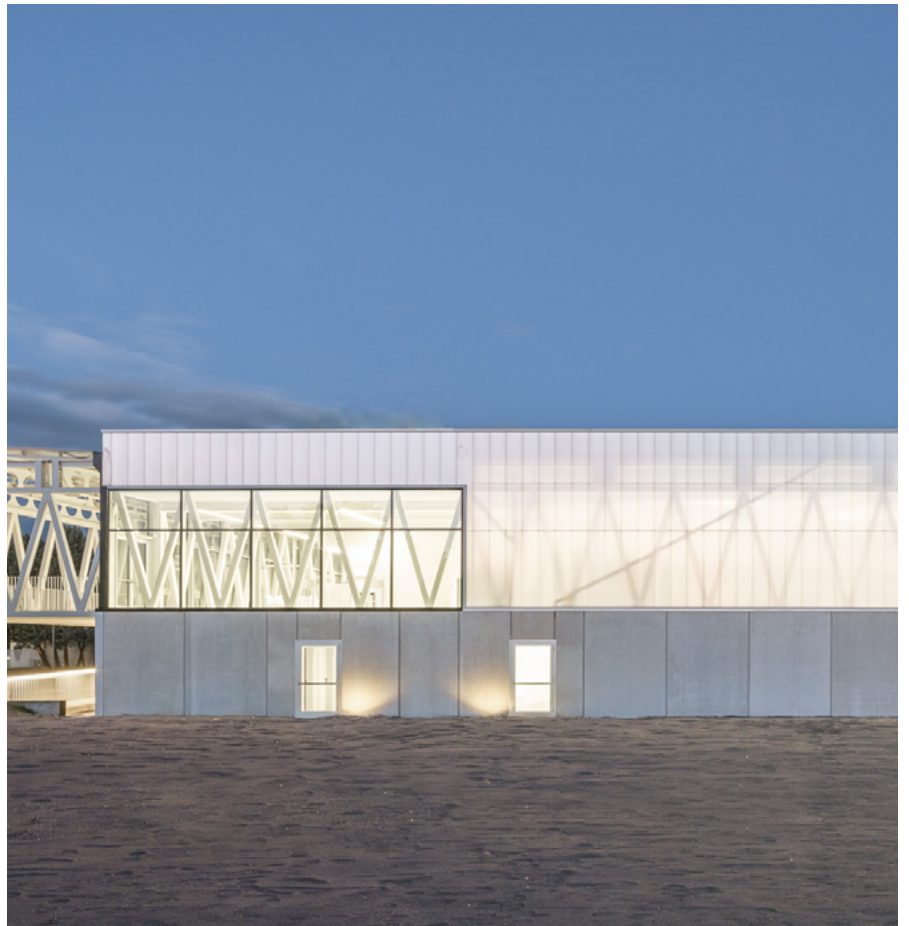
THICKNESS	55 mm	60 mm	65 mm
STRUCTURE	14 walls		
USEFUL WIDTH	500 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 0,74	U= 0,69	U= 0,67
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	$6,7 \times 10^{-5} \text{ mm/mm}^\circ\text{C}^*$		
SATINIZED CLEAR COLOUR	38% ± 2	37% ± 2	36% ± 2
OPAL COLOUR	22% ± 2	20% ± 2	18% ± 2



DATA SHEET
 PanelPiù®
 500/ 14 Walls

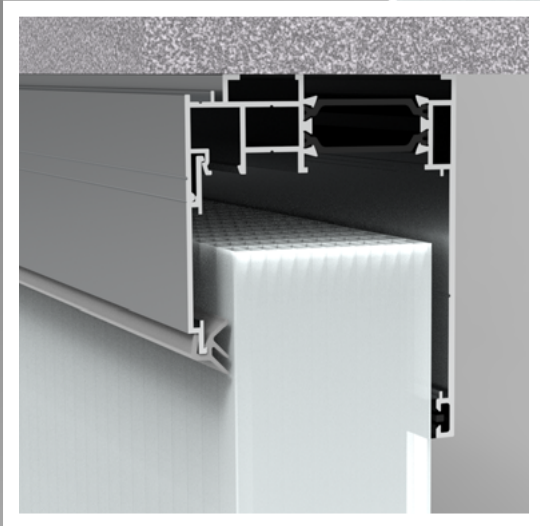


* General data taken from literature

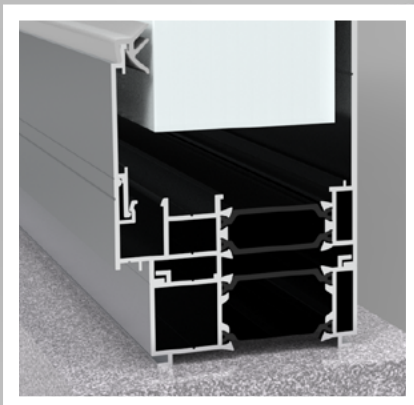


Vertical section with profile PanelPiù® 500/65 14 walls

Upper
profile F70 TB + F67

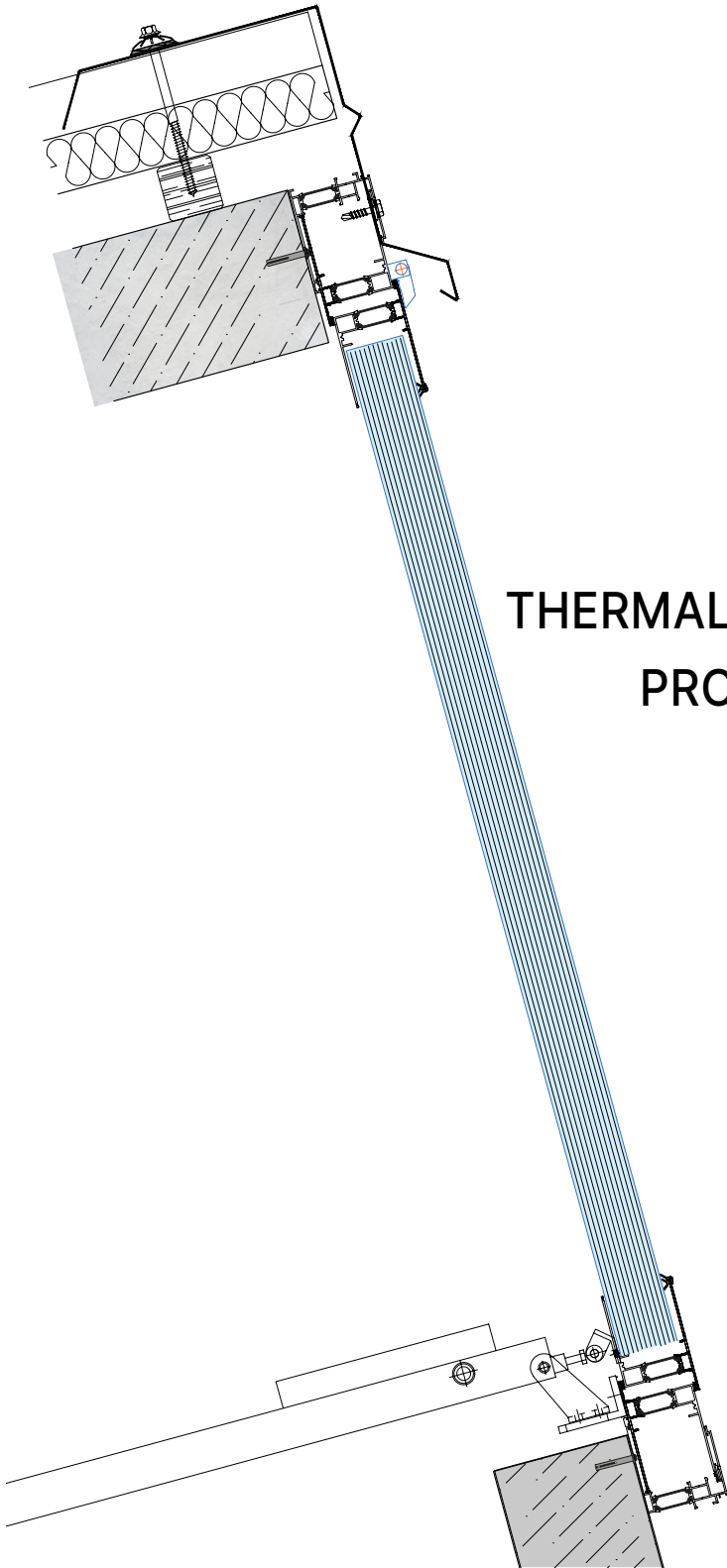


Lower
profile F70 TB + F67

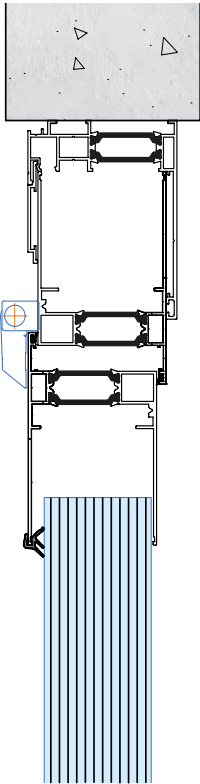


Profile with wall-cover

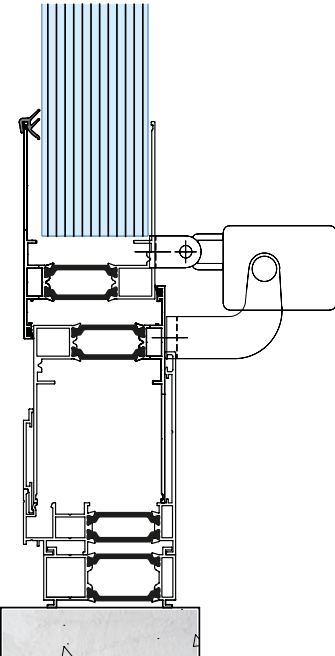
CROSS SECTION
OPENING WINDOW
ON SLANTING NORTHLIGHT



CROSS SECTION
OPENING WINDOW
ON VERTICAL GLAZING



THERMALLY BROKEN
PROFILES



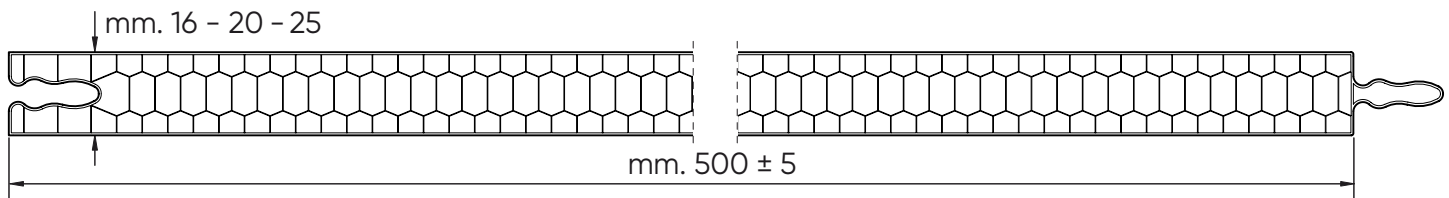
PanelPiù® False ceiling

Realisation of false ceilings with modular interlocking sheets, extruded in multiwall polycarbonate:

- Thermosealed or taped ends
- Useful width mm 500 ± 5 and 600 ± 5 mm
- Customised lengths.
- Maximum span PanelPiù® Flat
500/16-20-25 mm 2000 and 600/10 mm 1500
- Maximum span PanelPiù® Curved 500/16-20-25
R 3500 mm 3750 and R 6000 mm 5200

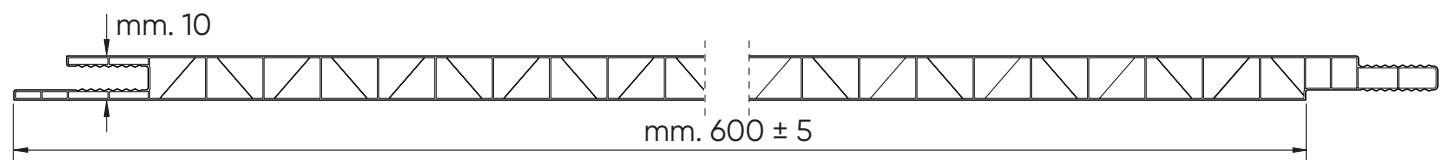
Thermal insulation
 $U = 1,99 - 1,80 - 1,67 \text{ W/m}^2\text{K}.$

PanelPiù® 500/ 16 - 20 - 25 mm



PanelPiù® 600/ 10 mm

Thermal insulation
 $U = 2,70 \text{ W/m}^2\text{K}.$

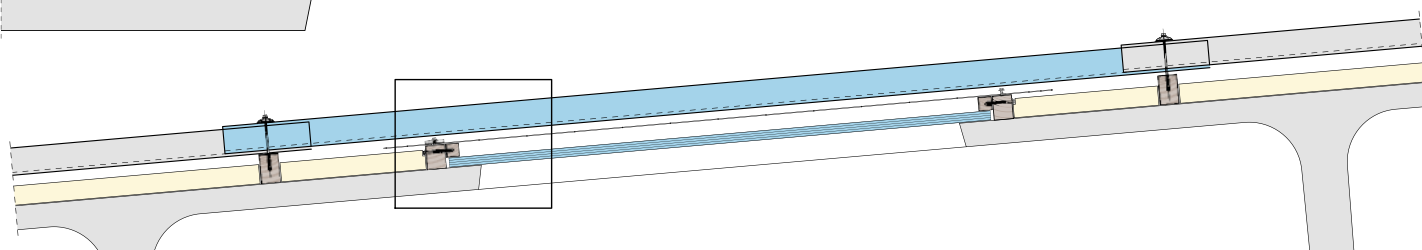
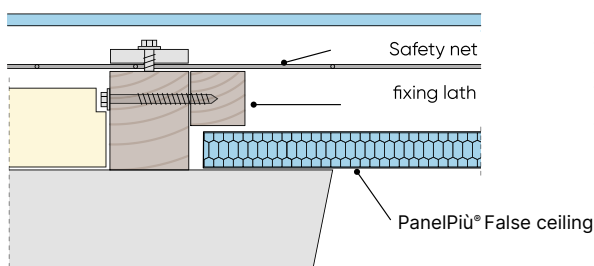


PanelPiù® False ceiling

SmartPiù® combined with PanelPiù® False Ceiling can replace single vertical glazing sheets of skylights. This combination creates an excellent quality and aesthetic finish in roofing, and improves thermal transmittance in observance of the legislation in force on energy saving (Italian Legislative Decree 192/05 and Italian Legislative Decree 311/06 as amended).

PRODUCT	U VALUE* (with total package H ~40 mm)
SmartPiù® + PanelPiù® 500/20	1,46 W/m²K
SmartPiù® + PanelPiù® 500/25	1,38 W/m²K

*The transmittance values shown above are the result of a theoretical calculation considering the combination of the SmartPiù® sheet in the roofing and the PanelPiù® 500/20 and 500/25 sheet in the false ceiling. The total height of the package is 40 mm and the hole taken as basis for the calculation is 1000 × 6000 mm (the values do not consider the dispersion)



THICKNESS	10 mm	16 mm	20 mm	25 mm
STRUCTURE	triplewall	honeycomb		
USEFUL WIDTH	600 ± 5 mm	500 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)			
THERMAL INSULATION	U= 2,70	U= 1,99	U= 1,80	U= 1,67
TEMPERATURE WORKING RANGE	- 40°C + 130° C			
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*			
SATINIZED CLEAR COLOUR	75% ± 2	69% ± 2	68% ± 2	64% ± 2
OPAL COLOUR	55% ± 2	49% ± 2	43% ± 2	41% ± 2

DATA SHEET
PanelPiù® 500/
16 - 20 - 25 mm



DATA SHEET
PanelPiù® 600/
10 mm



*General data taken from literature

PanelPiù® Curved false ceiling

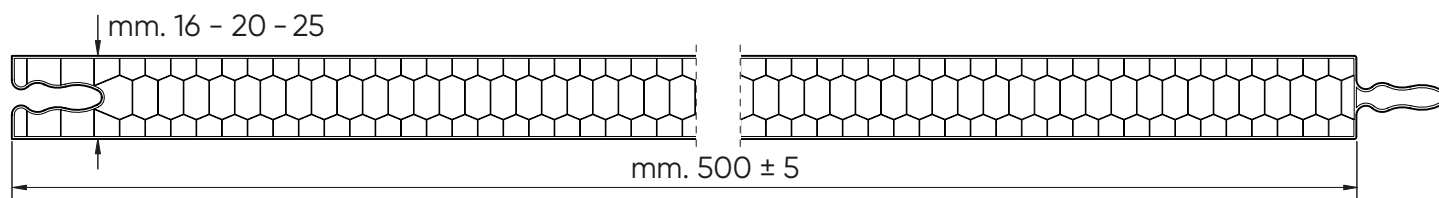
Realisation of false ceilings with modular interlocking sheets, extruded in multiwall:

- Thermosealed or taped ends
- Useful width mm 500 ± 5
- Customised lengths.
- Maximum span **PanelPiù® Curved 500/16-20-25**
R 3500 mm 3750 and R 6000 mm 5200

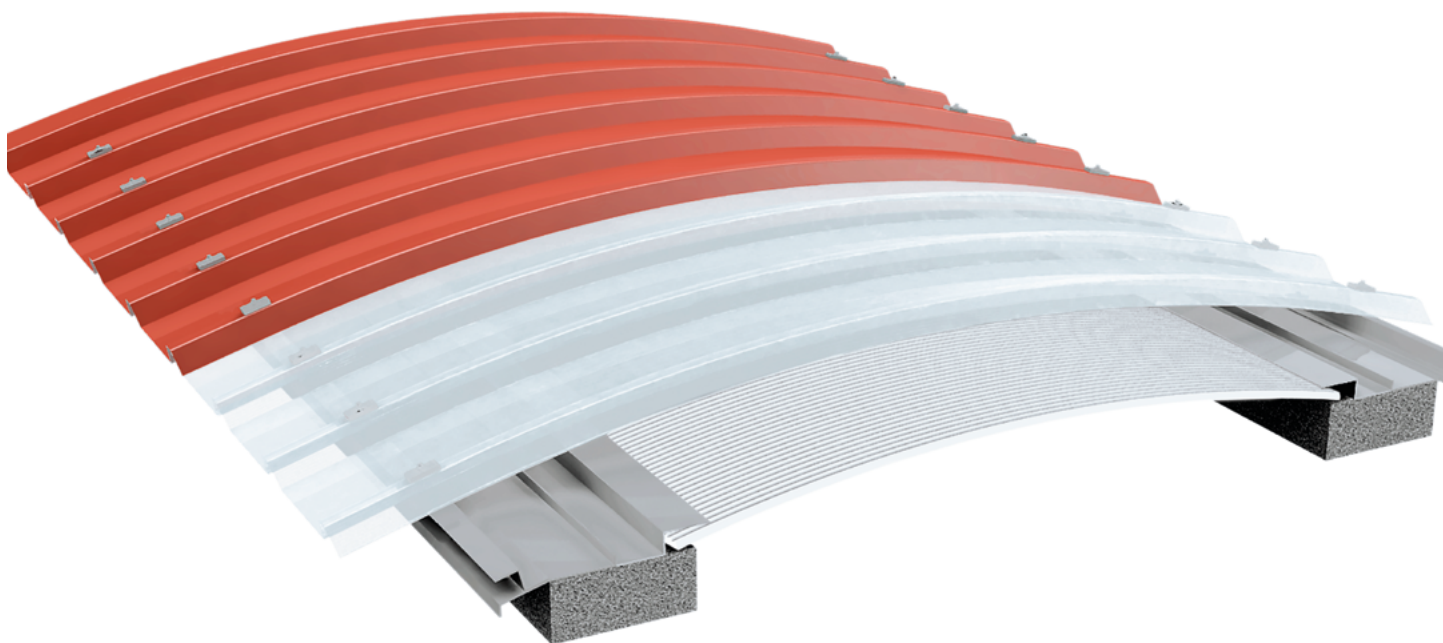
Thermal insulation
 $U = 1,99 - 1,80 - 1,67 \text{ W/m}^2\text{K}.$



PanelPiù® 500/ 16 - 20 - 25 mm



PanelPiù® Curved false ceiling



THICKNESS	16 mm	20 mm	25 mm
STRUCTURE	honeycomb		
USEFUL WIDTH	500 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 1,99	U= 1,80	U= 1,67
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	$6,7 \times 10^{-5} \text{ mm/mm}^\circ\text{C}^*$		
SATINIZED CLEAR COLOUR	69% ± 2	68% ± 2	64% ± 2
OPAL COLOUR	49% ± 2	43% ± 2	41% ± 2

*General data taken from literature



DATA SHEET
PanelPiù® 500/
16 - 20 - 25 mm



PanelPiù® Ipervelario

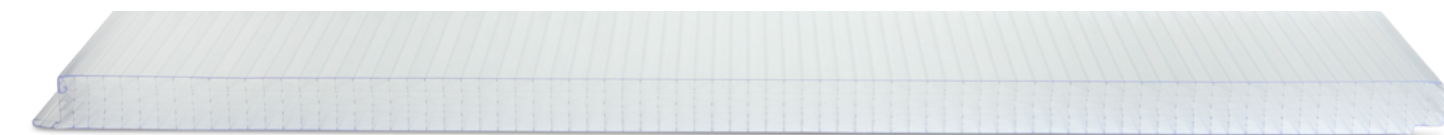
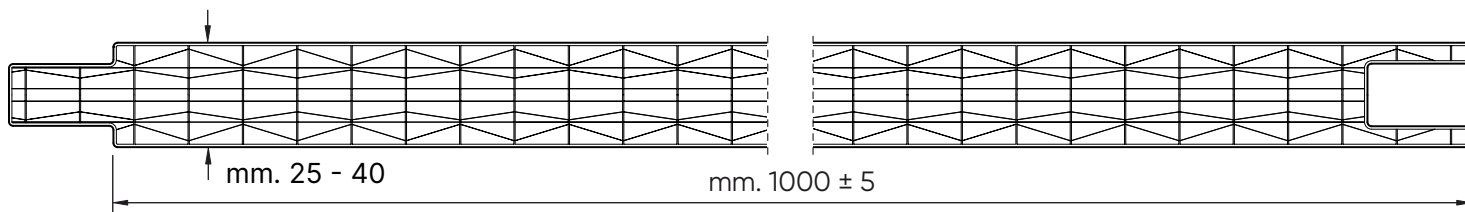
Realisation of false ceilings with modular interlocking sheets, extruded in multiwall polycarbonate.

Thermal insulation
 $U = 1,30 - 1,00 \text{ W/m}^2\text{K}$.

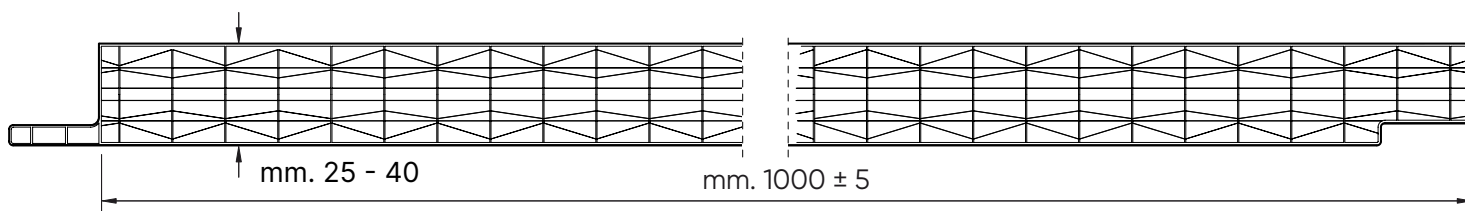
- Taped ends
- Useful width mm 1000 ± 5
- Customised lengths.
- Maximum span **PanelPiù® Flat**
1000/25 mm 2000 mm 1000/40 mm 3000 mm



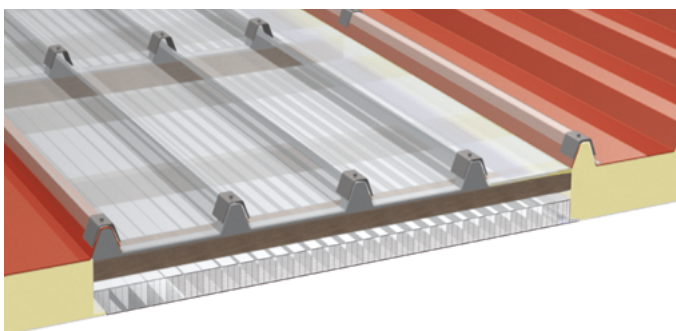
FOR HORIZONTAL APPLICATION WITH MALE-FEMALE INTERLOCKING



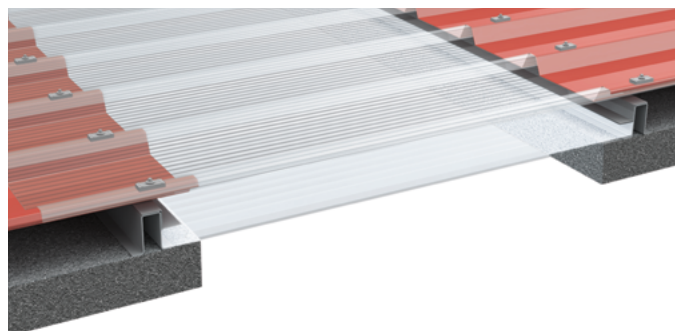
FOR RIDGE-GUTTER APPLICATION COMBINED WITH SANDWICH PANELS



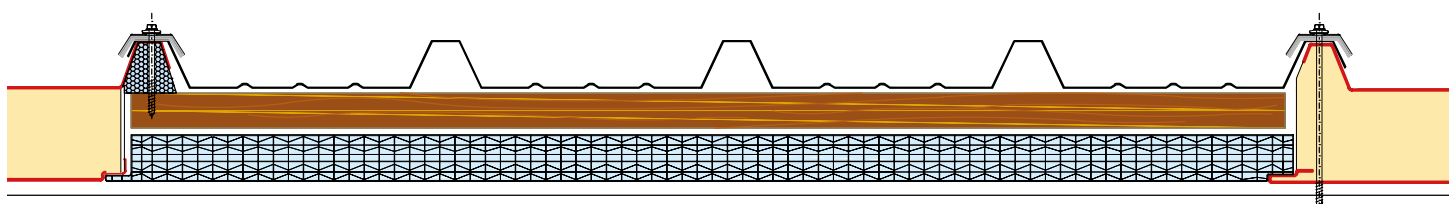
Application from ridge to gutter



Application as horizontal false ceiling



Section ridge - gutter



DATA SHEET
PanelPiù®
Ipervelario



CARACTERISTICS	APPLICATION FROM RIDGE TO GUTTER		APPLICAZIONE AS HORIZONTAL FALSE CEILING	
THICKNESS	25 mm	40 mm	25 mm	40 mm
COUPLING	combined with sandwich panels		with male-female interlocking	
STRUCTURE	10 "X" walls			
USEFUL WIDTH	1000 ± 5			
SHEET LENGTH	customised (max. 7 m is recommended)			
THERMAL INSULATION	U= 1,30	U= 1,00	U= 1,30	U= 1,00
TEMPERATURE WORKING RANGE	- 40°C + 130° C			
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*			
SATINIZED CLEAR COLOUR	58% ± 2	47% ± 2	58% ± 2	47% ± 2
OPAL COLOUR	40% ± 2	35% ± 2	40% ± 2	35% ± 2

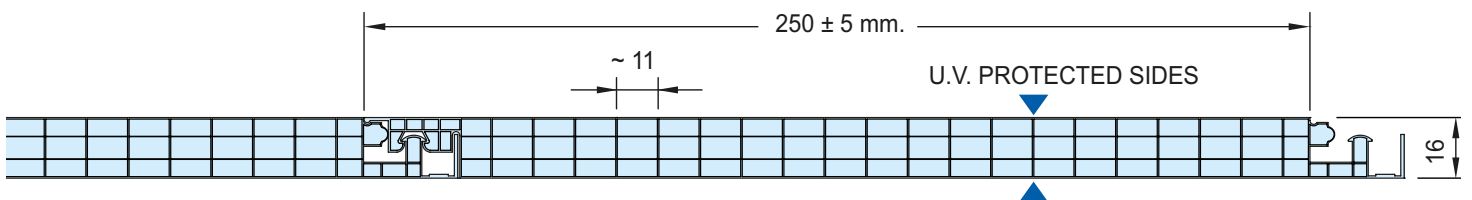
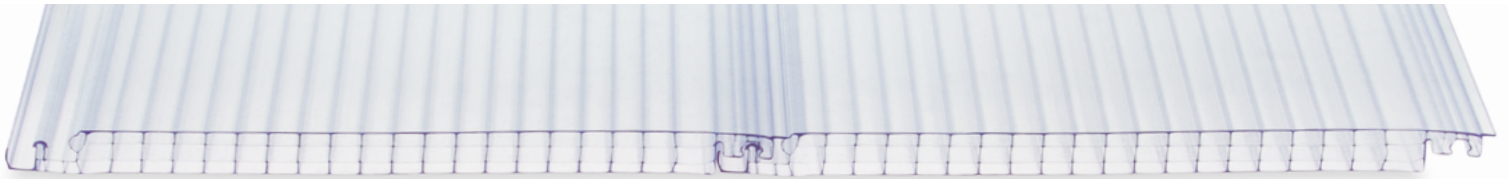
*General data taken from literature

Realisation of vertical glazings
and roofing with EasyPiù® consisting of:

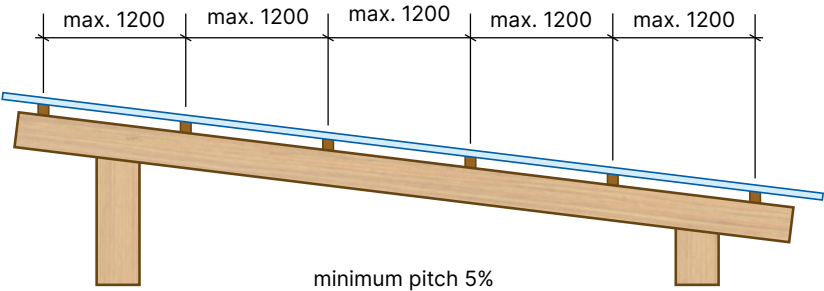
- Multiwall polycarbonate sheets.
- Taped ends.
- UV protection on both sides.
- 250 ± 5 mm modules.
- Customised lengths.

Thermal Insulation
 $U = 1,99 \text{ W/m}^2\text{K}$.

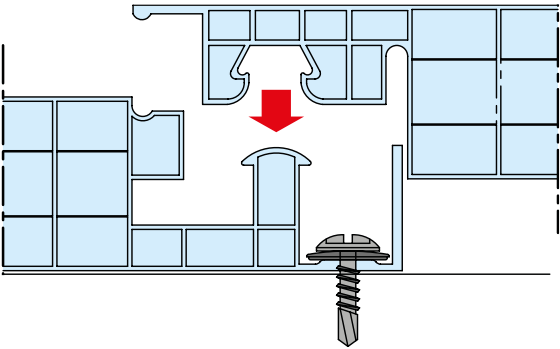
16
mm



EasyPiù® Application



Detail of sheet coupling



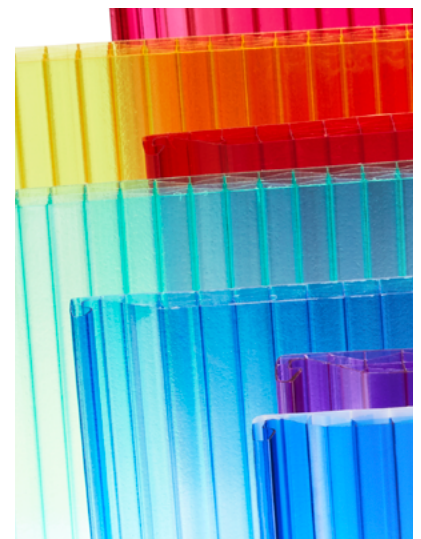
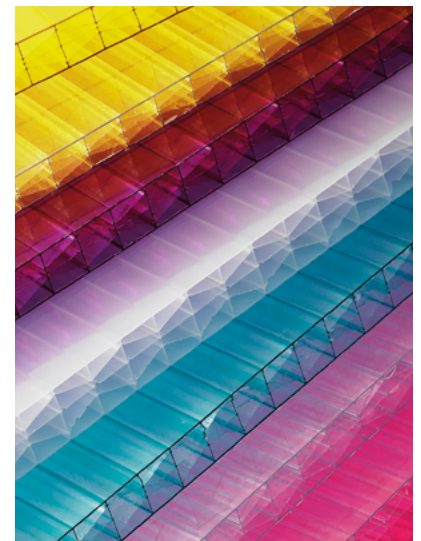
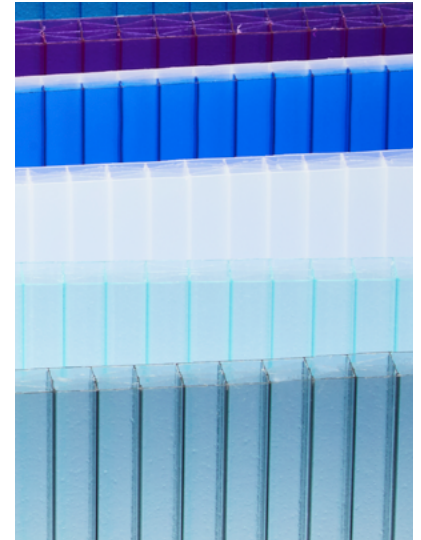
THICKNESS	16 mm
STRUCTURE	4 walls
USEFUL WIDTH	250 ± 5 mm
SHEET LENGTH	customised (max. 7 m is recommended)
THERMAL INSULATION	U= 1,99 W/m²K
TEMPERATURE WORKING RANGE	- 40°C + 130° C
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*
SATINIZED CLEAR COLOUR	80% ± 2
OPAL COLOUR	50% ± 2

DATA SHEET
EasyPiù®



*General data taken from literature

SystemPiù® is a modular multiwall polycarbonate system with high strength and resistance characteristics, UV-protected, for use in vertical glazing, windows and industrial roofing. It consists of multiwall polycarbonate sheets with an 'X' structure for increased load-bearing capacity and thermal insulation. The system is equipped with a snap-on coupling system on galvanised and plastic coated steel joining channels with open joint, which makes it possible to create perfectly flat self-supporting assemblies even in large flat and curved roofs (with a minimum radius of 2000 mm).



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Available flat or curved

High resistance to snowfall

High wind pressure resistance

Option of opening parts

UV protection

Heat sealing

System complete with accessories



SystemPiù® Flat

Realisation of vertical glazings, windows and pitched roofing with SystemPiù® Flat consisting of:

- plastic coated steel joining channels thickness mm 1, galvanized steel thickness mm 3 - Square section square with open joint positioned every mm 655 ± 5 .
- Framing profiles in anodized aluminium and inlays in PE foam for a perfect seal of the system
- Multiwall sheets with "X" structure and extruded in "U" shape
- Thermosealed ends
- External protection from UV rays
- 655 ± 5 mm modules
- Customised lengths.

Thermal Insulation
 $U = 2,40 - 2,20 - 1,90 \text{ W/m}^2\text{K.}$

12
mm

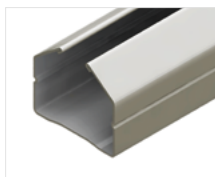
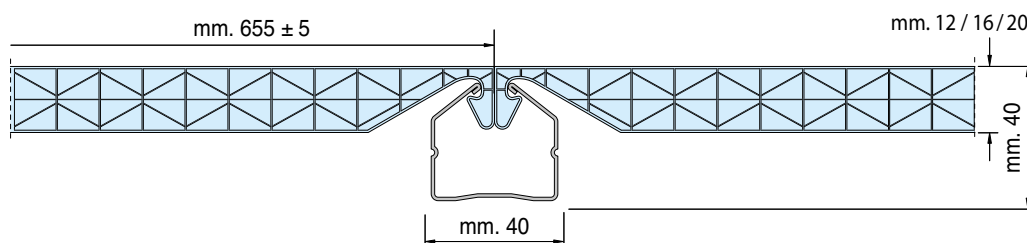
16
mm

20
mm

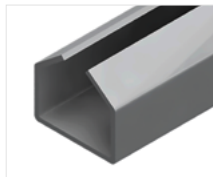
SPECIAL TREATMENTS



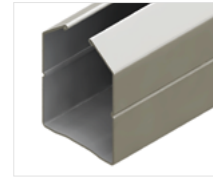
SystemPiù® 655



plastic-coated steel
joining channel 1 mm



joining channel in galvanized
prepainted steel 3 mm



High plastic-coated steel
joining channel 1 mm

Systempiù® 655 flat

Application in vertical glazing



Systempiù® 655 flat

Roofing application



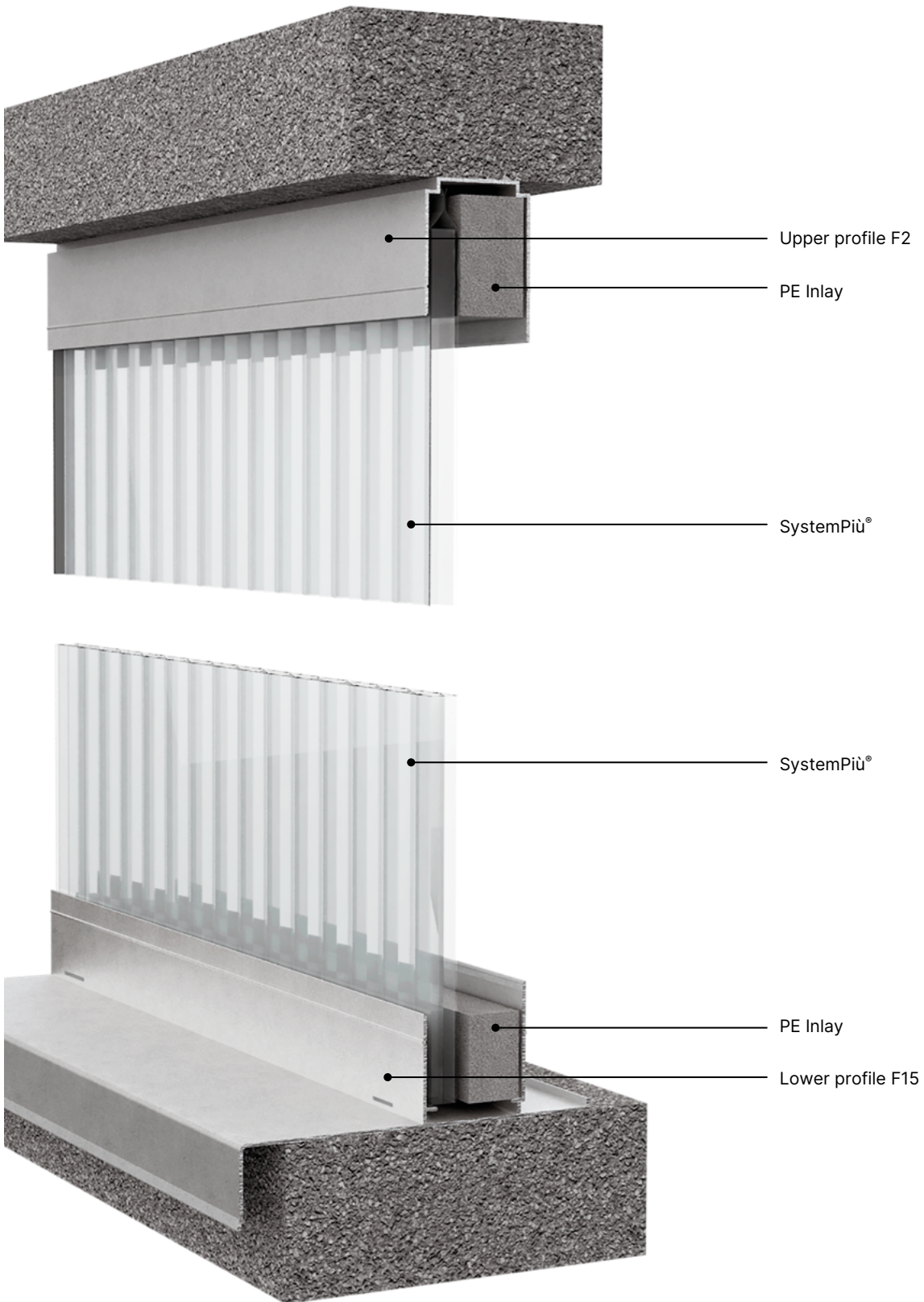
THICKNESS	12 mm	16 mm	20 mm
STRUCTURE	5 "X" walls		
USEFUL WIDTH	655 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 2,40	U= 2,20	U= 1,90
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	67% ± 2	65% ± 2	62% ± 2
OPAL COLOUR	54% ± 2	50% ± 2	46% ± 2

* General data taken from literature



DATA SHEET
SystemPiù® flat







SystemPiù® Curved

Realisation of skylights and curved canopies with SystemPiù® Curved with minimum radius 2000 and consisting of:

- Steel joining channels and plastic coated thickness mm 1, galvanized thickness mm 3 - Section square with open joint positioned every mm 655 ± 5.
- Framing profiles in anodized aluminium and inlays in PE foam for a perfect seal of the system
- Multiwall sheets with "X" structure and extruded in "U" shape
- Thermosealed ends
- External protection from UV rays
- 655 ± 5 mm modules
- Customised lengths.

Thermal Insulation
 $U = 2,40 - 2,20 - 1,90 \text{ W/m}^2\text{K.}$

12
mm

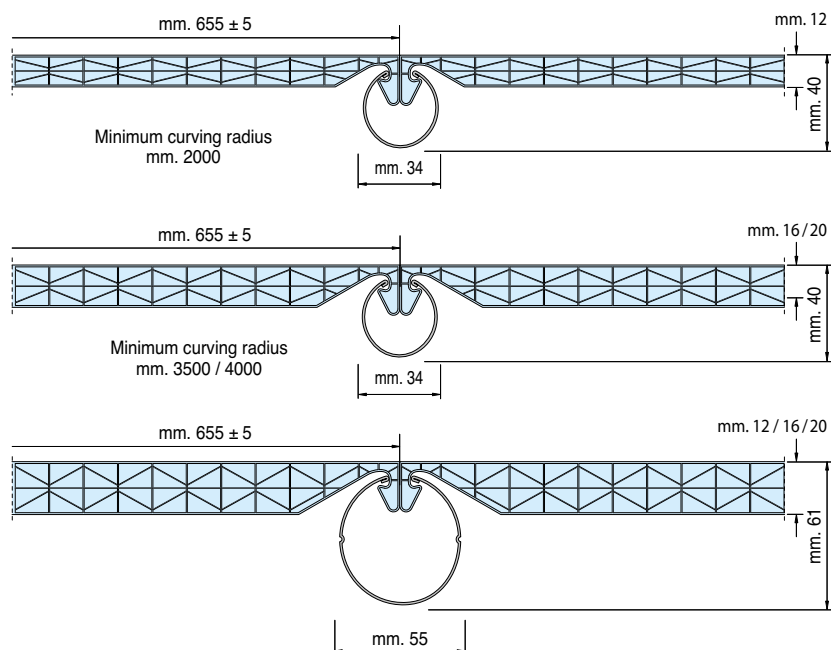
16
mm

20
mm

SPECIAL TREATMENTS



SystemPiù® 655

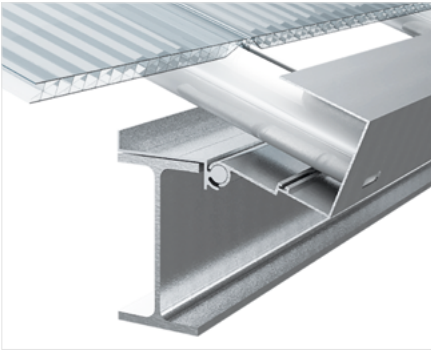


ø 34 mm joining channel
in plastic-coated
steel 1 mm.

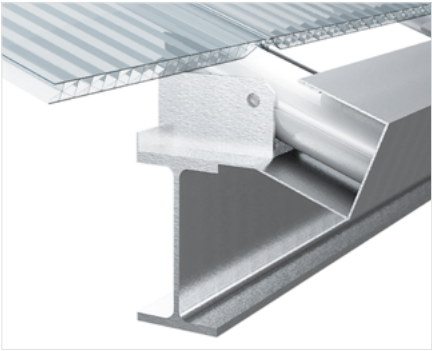


ø 55 mm joining channel
in plastic-coated
steel 1 mm.

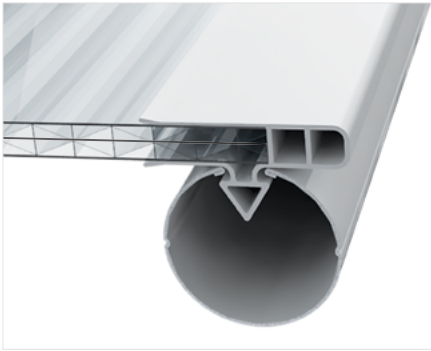
Detail of aluminium mobile side profile



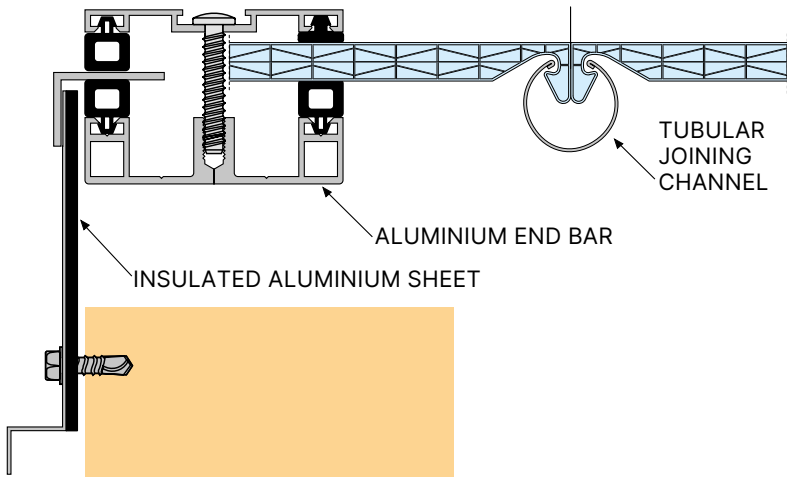
Detail of aluminium fixed profile



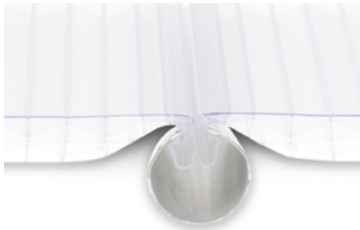
Detail of end profile in polycarbonate



Header detail



THICKNESS	12 mm	16 mm	20 mm
STRUCTURE	5 "X" walls		
USEFUL WIDTH	655 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 2,40	U= 2,20	U= 1,90
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	67% ± 2	65% ± 2	62% ± 2
OPAL COLOUR	54% ± 2	50% ± 2	46% ± 2



DATA SHEET
SystemPiù®
Curved



* General data taken from literature

ReversPiù® is a modular multiwall polycarbonate system with interlocking joining channel suitable for both vertical glazings and industrial windows. Its particular interlocking structure guarantees an excellent seal against wind pressure and a high load resistance.

The system is sold with framing profiles that guarantee a pleasant appearance. The sheets have UV protection on both sides and can be made in thicknesses from 10 mm to 40 mm, making it a one of a kind solution.

SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

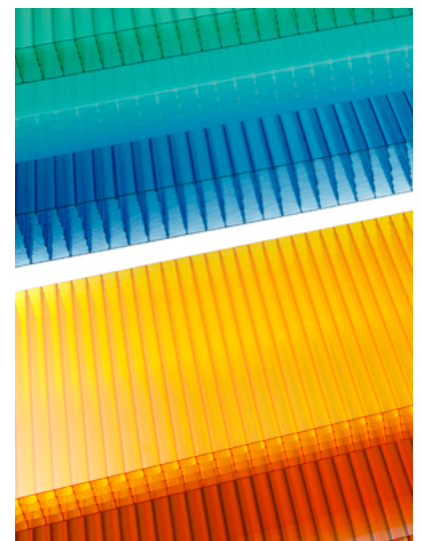
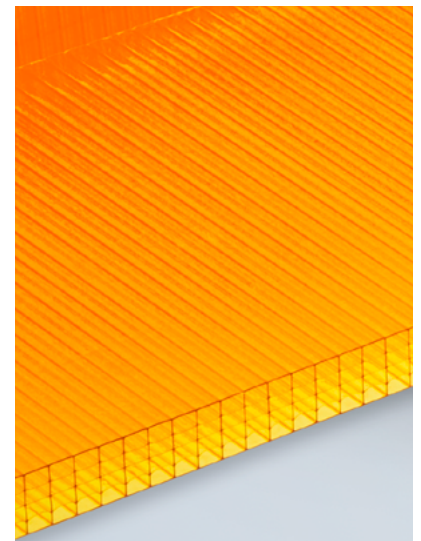
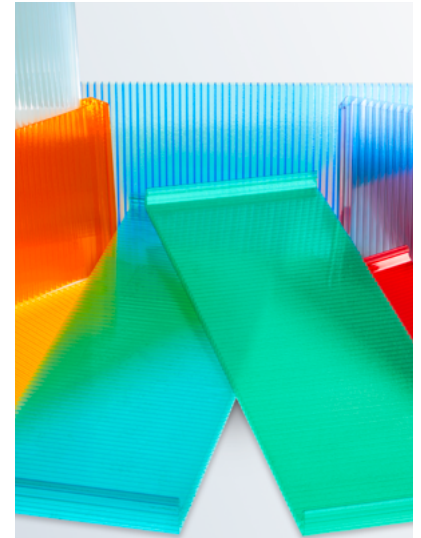
High load resistance

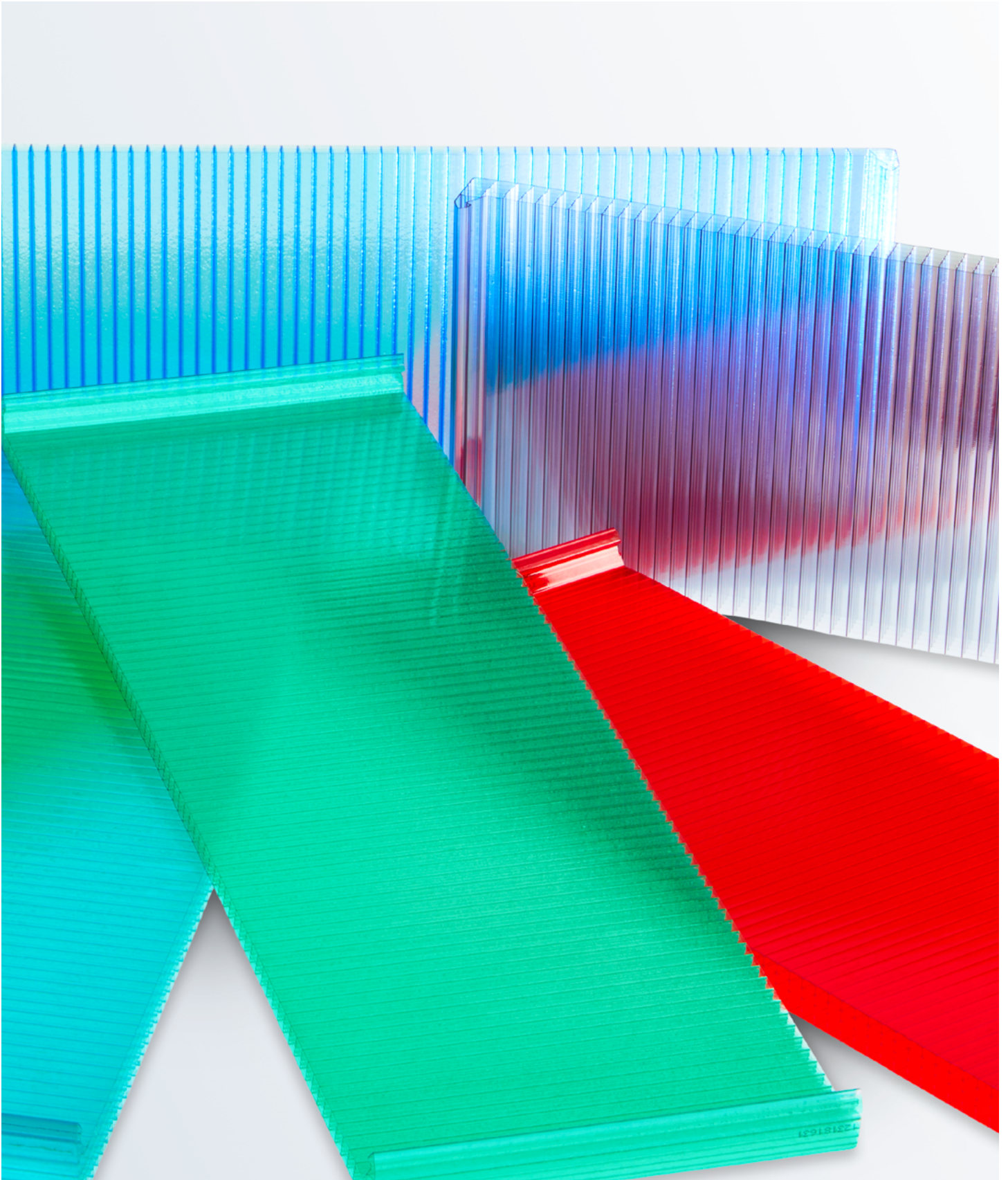
High resistance to wind pressure

Pleasant aesthetic effect

2-sided UV protection

System complete with accessories





ReversPiù® 600 5 walls

Realisation of vertical glazings, pitched roofing with ReversPiù® consisting of:

- Multiwall polycarbonate sheets.
- Thicknesses 10-16-20 mm with module 600 mm
- UV protection on both sides
- Customised lengths.
- Joining channels in multiwall polycarbonate and in aluminium
- Taped or sealed ends.
- Perfect seal of the system guaranteed by framing profiles in natural anodized aluminium and by other finish accessories.

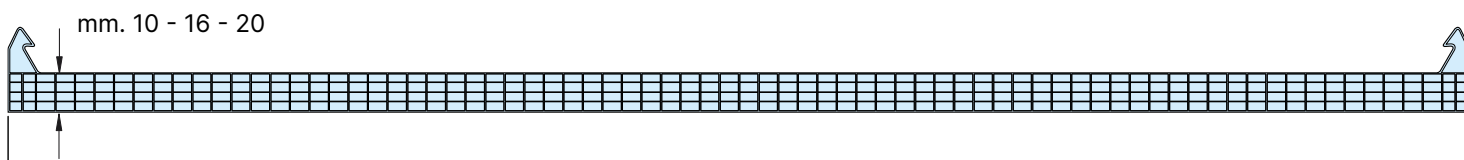
Thermal Insulation
 $U = 2,30 - 2,10 - 1,90 \text{ W/m}^2\text{K.}$

10
mm

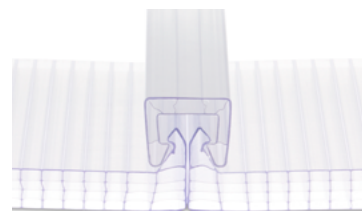
16
mm

20
mm

SPECIAL TREATMENTS



THICKNESS	10 mm	16 mm	20 mm
STRUCTURE	5 walls		
USEFUL WIDTH	600 ± 5 mm		
SHEET LENGTH	customised (max. 7 m is recommended)		
THERMAL INSULATION	U= 2,30	U= 2,10	U= 1,90
TEMPERATURE WORKING RANGE	- 40°C + 130° C		
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*		
SATINIZED CLEAR COLOUR	72% ± 2	62% ± 2	60% ± 2
OPAL COLOUR	43% ± 2	42% ± 2	41% ± 2



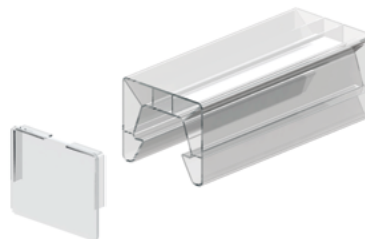
DATA SHEET
 ReversPiù®
 600 5 walls



* General data taken from literature

ACCESSORIES ReversPiù® 600 5 walls

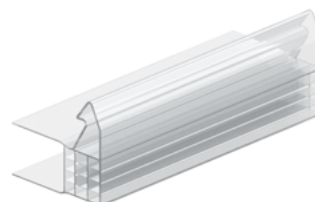
Joining channel
in polycarbonate with closing cap



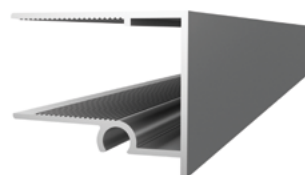
End side profile in polycarbonate



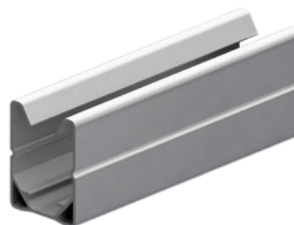
Edge profile in polycarbonate



End profile in aluminium



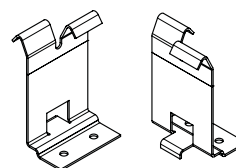
High joining channel in aluminium



Low joining channel in aluminium



Stainless steel fixing bracket



ReversPiù® 1000 10 walls

Realisation of vertical glazings, pitched roofing with ReversPiù® consisting of:

- Multiwall polycarbonate sheets.
- Thicknesses 20-25-32-40 mm with module 1000 mm
- UV protection on both sides
- Customised lengths.
- Joining channels in multiwall polycarbonate and in aluminium
- Taped or sealed ends.
- Perfect seal of the system guaranteed by framing profiles in natural anodized aluminium and by other finish accessories.

Thermal Insulation
U = 1,50 -1,30 -1,10 -1,00
W/m²K.

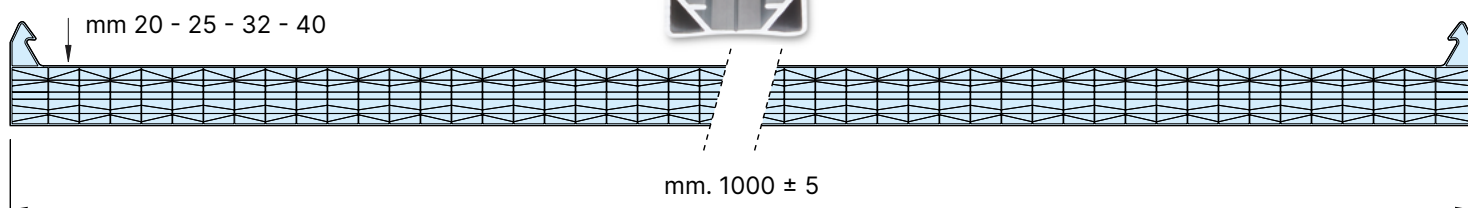
20
mm

25
mm

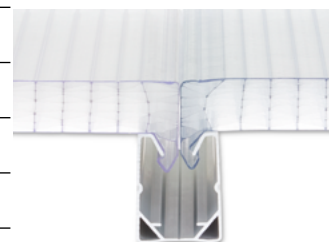
32
mm

40
mm

SPECIAL TREATMENTS



THICKNESS	20 mm	25 mm	32 mm	40 mm
STRUCTURE	10 "X" walls			
USEFUL WIDTH	1000 ± 5 mm			
SHEET LENGTH	customised (max. 7 m is recommended)			
THERMAL INSULATION	U= 1,50	U= 1,30	U= 1,10	U= 1,00
TEMPERATURE WORKING RANGE	- 40°C + 130° C			
LINEAR THERMAL EXPANSION	6,7 × 10 ⁻⁵ mm/mm°C*			
SATINIZED CLEAR COLOUR	62% ± 2	58% ± 2	55% ± 2	49% ± 2
OPAL COLOUR	43% ± 2	40% ± 2	39% ± 2	38% ± 2



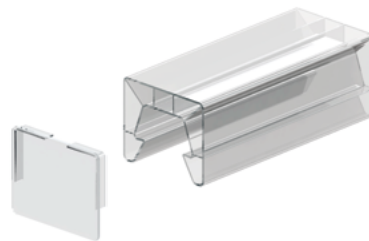
DATA SHEET
ReversPiù®
1000



*General data taken from literature

ACCESSORIES Reverspiù® 1000 10 walls

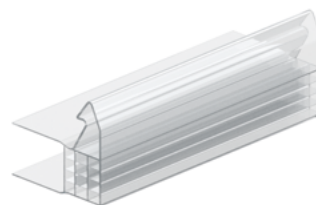
Joining channel
in polycarbonate with closing cap



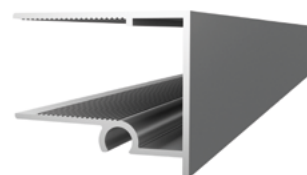
End side in polycarbonate



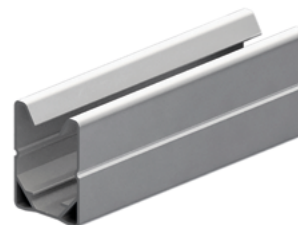
Edge profile in polycarbonate



End profile in aluminium



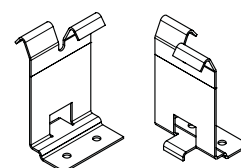
High joining channel in aluminium



Low joining channel in aluminium



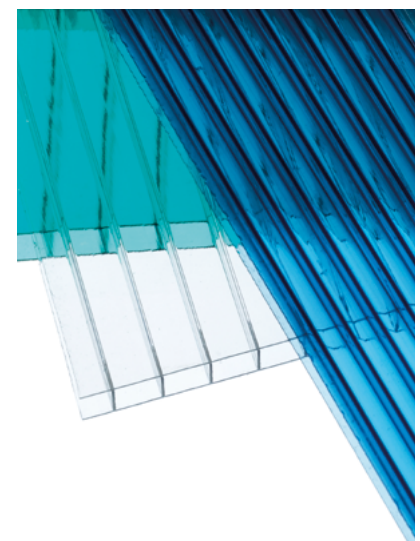
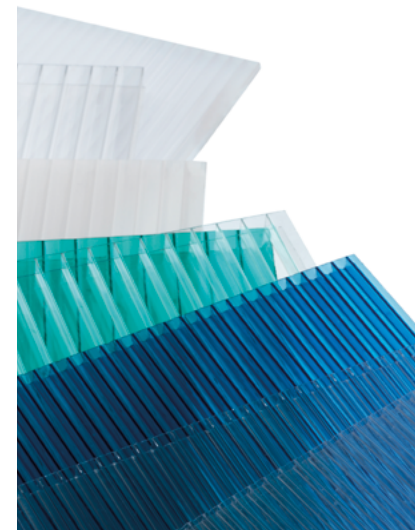
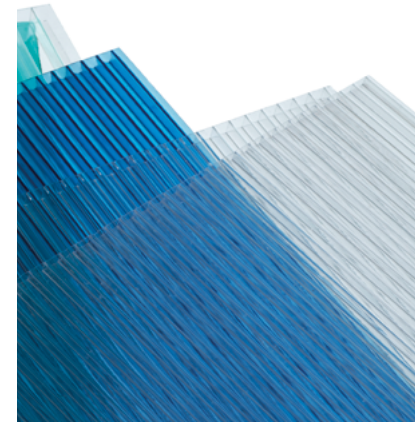
Stainless steel fixing bracket



CARBOPIÙ[®] MULTIWALL



The range of CarboPiù[®] Multiwall products consists of multiwall sheets, which offer exclusive, high level characteristics. They are available in different types of thickness and cell structure in order to meet a wide variety of application requirements: from the simplest roofing to the most complex roof structures, whether flat or cold curved. CarboPiù[®] Multiwall may be the right choice for both those looking for thermal insulation and excellent luminosity and those who want a simple and expedient realisation, even as a do-it-yourself project, of windows, skylights, verandas, greenhouses, canopies, interior and exterior in industrial and civil building. The sheets are UV protected and are self-extinguishing in Euroclass B s1d0.



SPECIAL TREATMENTS



APPLICATION



TECHNICAL DATA

Good thermal insulation

High load resistance

High resistance to wind pressure

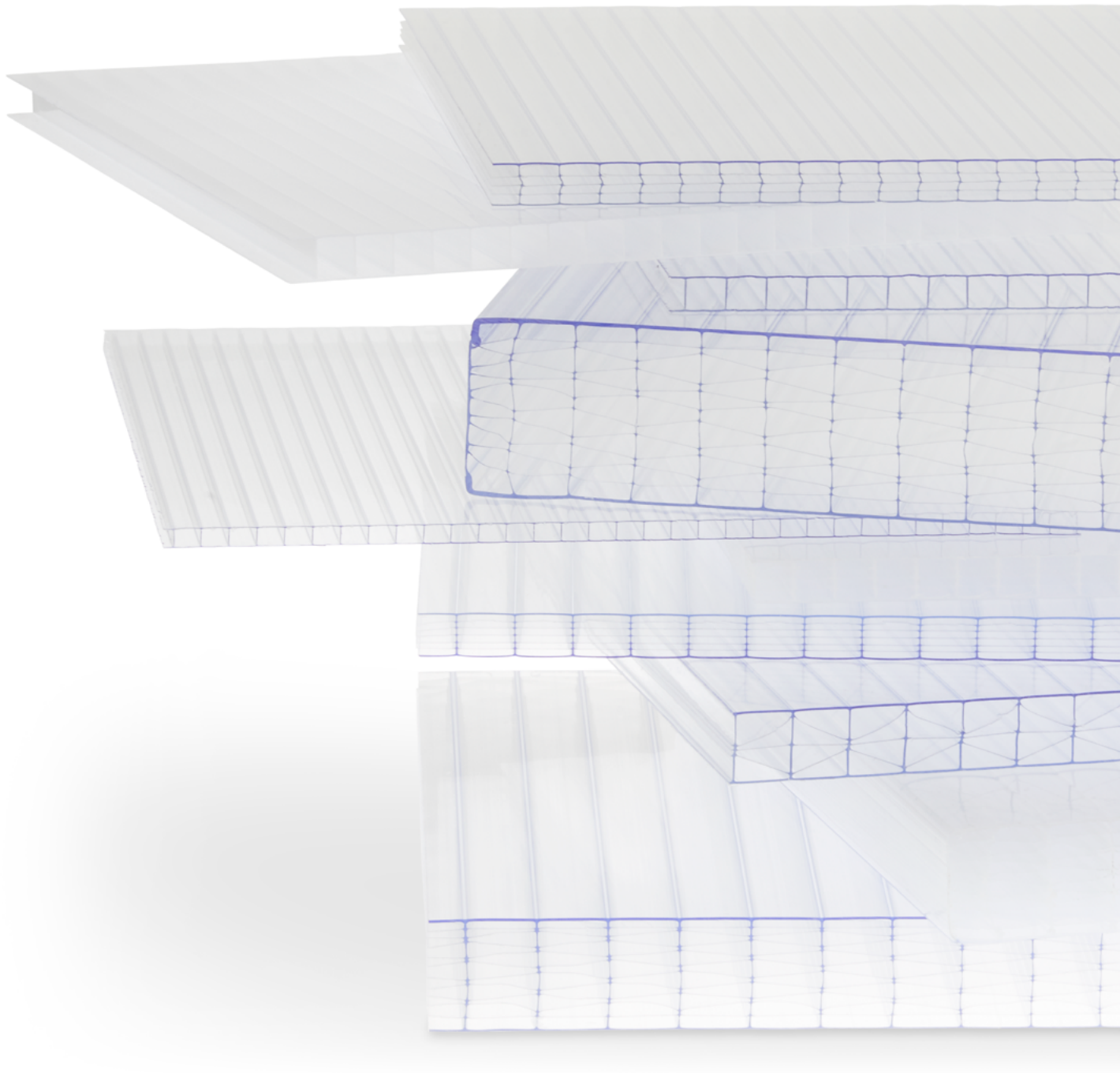
High light transmission

Possibility of opening portions

UV protection

Heat sealing

System complete with accessories



CarboPiù® Multiwall

- Outer protection from UV rays
- UV protection on both sides upon request.
- Clear and opal colour.
- Customised lengths.

DATA
SHEET



CarboPiù® 2 walls

4
mm

6
mm

6



CarboPiù® 2 walls

8
mm

10
mm

9

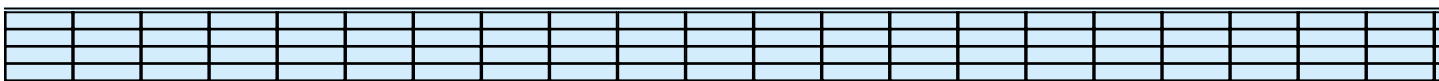


CarboPiù® 5 walls

10
mm

12
mm

9



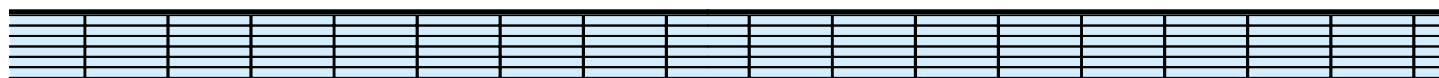
CarboPiù® 7 walls

10
mm

16
mm

20
mm

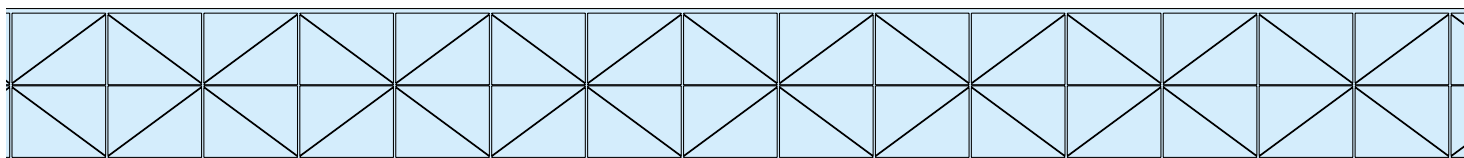
9



CarboPiù® 5 walls with "X" structure

16
mm

20
mm

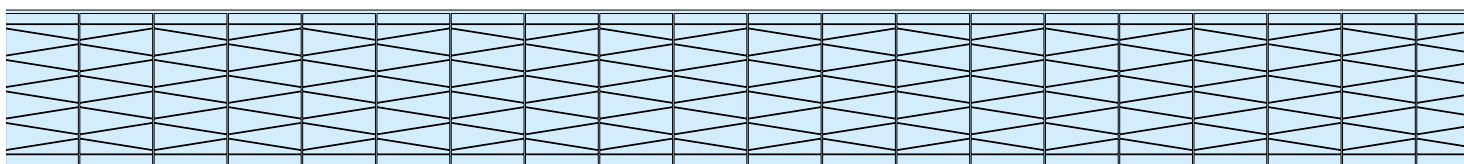


CarboPiù® 12 walls with "X" structure

25
mm

32
mm

40
mm



TECNICAL INFORMATION

THICKNESS mm (±0,5 mm)	THERMAL INSULATION U = W/m ² K	LIGHT TRASMISSION			COLD CURVATURE MINIMUM RADIUS
		CLEAR	OPAL	BRONZE	
4 (2 walls)	3,90	82%	64%	-	750 mm
6 (2 walls)	3,50	82%	60%	25%	1000 mm
8 (2 walls)	3,20	81%	60%	-	1500 mm
10 (2 walls)	3,00	81%	54%	25%	1700 mm
10 (5 walls)	2,40	65%	40%	-	2000 mm
12 (5 walls)	2,30	63%	38%	-	2000 mm
10 (7 walls)	2,40	65%	40%	-	2000 mm
16 (7 walls)	1,80	63%	38%	-	2000 mm
20 (7 walls)	1,50	63%	38%	-	2000 mm
16 (5 walls "X")	2,00	62%	35%	20%	3000 mm
20 (5 walls "X")	1,80	60%	40%	20%	no curving allowable
25 (12 walls "X")	1,30	56%	38%	-	no curving allowable
32 (12 walls "X")	1,10	53%	37%	-	no curving allowable
40 (12 walls "X")	0,94	47%	36%	-	no curving allowable

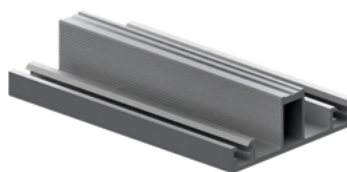
*General data taken from literature

ACCESSORIES CarboPiù®

UPPER PLATE F49 IN ALUMINIUM



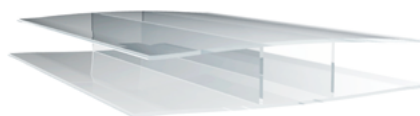
JOINING GLAZING BAR F50
LOWER IN ALUMINIUM



"U" CAP IN POLYCARBONATE
MM 4/6 - 8/10 - 16 - 20 - 25 - 32 - 40



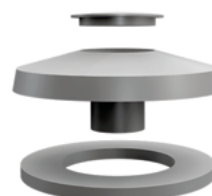
"H" JOINING STRIP IN POLYCARBONATE
MM 4/6 - 8/10 - 16 - 20 - 25 - 32 - 40



STAINLESS STEEL SCREW



WASHERS IN WHITE POLYAMIDE
MM 4/6 - 8/10 - 16



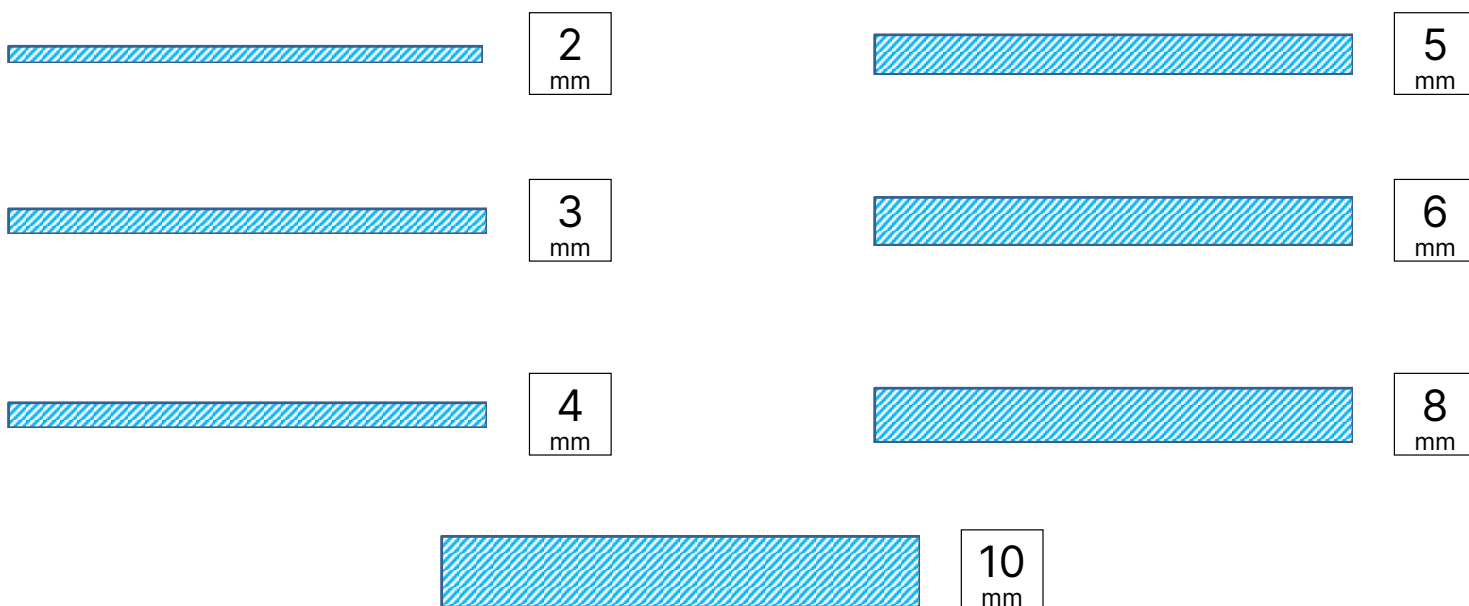
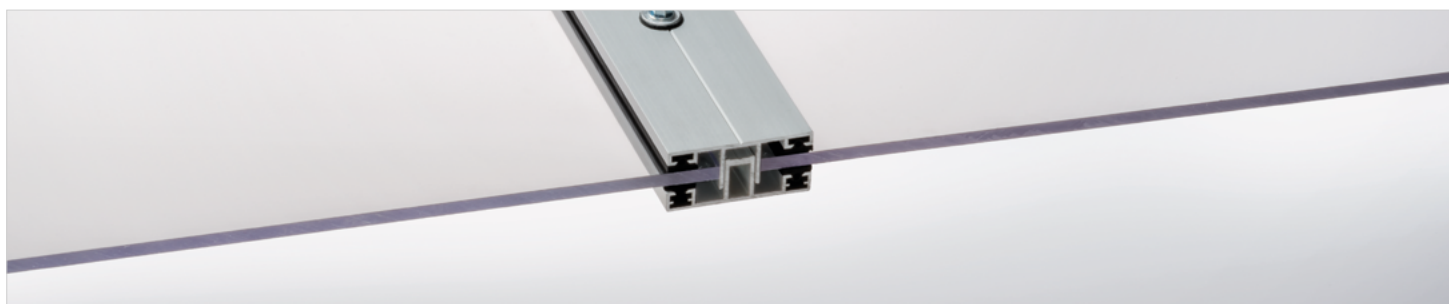


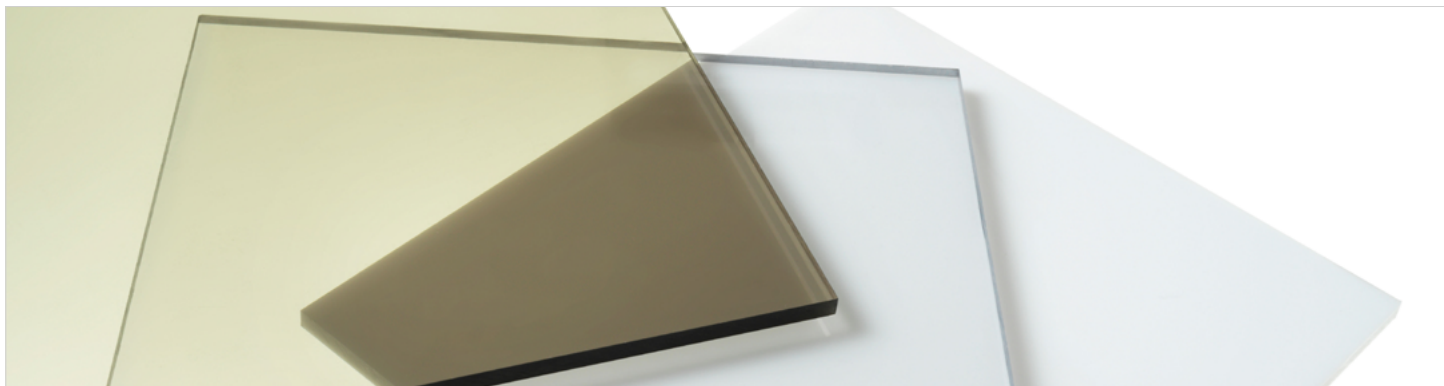
CarboPiù® Solid



Flat polycarbonate sheets boast excellent physical and mechanical properties, excellent impact resistance and a remarkable elasticity that makes them almost unbreakable. Important characteristics in the 'glazing' segment when one is looking for safety, durability (UV protection against sunlight) and good, if not excellent, brightness. Cutting, drilling, hot or cold thermoforming or bending, gluing and easy installation are all simple and economical processes that make CarboPiù® Solid an interesting product for the most diverse fields of application.

CarboPiù® Solid





TECNICAL INFORMATION

THICKNESS mm ($\pm 0,5$ mm)		2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
LIGHT TRASMISSION	CLEAR	90%	90%	87%	86%	85%	84%	82%
	OPAL	60%	53%	50%	40%	38%	-	-
	BRONZE	70%	60%	51%	43%	41%	-	-

PROPERTIES

PHYSICAL	STANDARDS	UNITS	VALUES
DENSITY	DIN 53479	g/m ³	1,2
LIGHT TRASMISSION (3MM CLEAR)	DIN 5036	%	90
REFRACTIVE INDEX	DIN 53491		1,585
MECHANICAL			
YIELD STRENGTH	DIN 53455	N/mm ²	>60
TENSILE STRENGTH	DIN 53455	N/mm ²	>70
ELASTIC MODULUS	DIN 53457	N/mm ²	2300
IMPACT RESISTANCE	DIN 53453	KJ/m ²	>30
THERMAL			
COEFF. OF LINEAR EXPANSION		L/k	65X10 ⁻⁵
THERMAL CONDUCTIVITY	DIN 52612	W/mK	0,21
TEMP. OF DEFORMATION UNDER LOAD	DIN 53461	°C	135
CONTINUOUS USE TEMPERATURE		°C	100



DATA SHEET
CarboPiu®
Solid



* General data taken from literature

Care and Maintenance

Proper maintenance helps preserve the aesthetic quality and performance of polycarbonate products over time.

PolyPiù Anti-static Cleaner

A specific solution for cleaning and maintaining polycarbonate products.

Its formulation ensures gentle cleaning without leaving marks or streaks, while providing an effective anti-static action that helps reduce dust accumulation and preserve the aesthetic quality of surfaces over time.

Suitable for all products in the PolyPiù range.



POLYPIU[®]

Reimagine Polycarbonate

PolyPiù supports designers, contractors and distributors in developing high-performance polycarbonate solutions for architecture, construction and industry.

PolyPiù offices and international sales network are available for information, technical support and project consultation.

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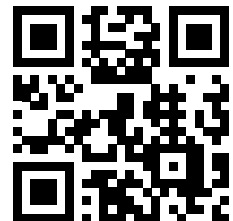
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