

Multiwall sheets for canopies and conservatories



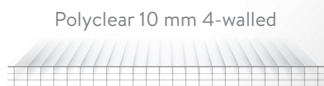
Plenty of daylight





Shock-resistant, safe, lightweight, highly insulating and aesthetically pleasing: these are undoubtedly the most important characteristics of glazing. Thanks to the choice of materials and special cell structure, Polyclear® polycarbonate sheets combine all these features. These sheets are therefore ideal as roof or wall glazing. In a terrace roof or pergola, Polyclear® polycarbonate sheets are an excellent glazing for a full greenhouse or veranda.

OVERVIEW



Polyclear 10 mm 4-walled



Top X5 16 mm



Top X6 16 mm



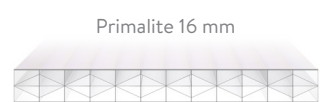
Top X6 32 mm



Top X11 EP 32 mm



Reflex Pearl 16 mm



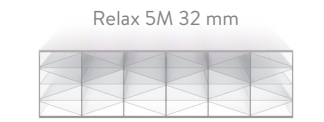
Primalite 16 mm



Reflex Pearl EP 32 mm

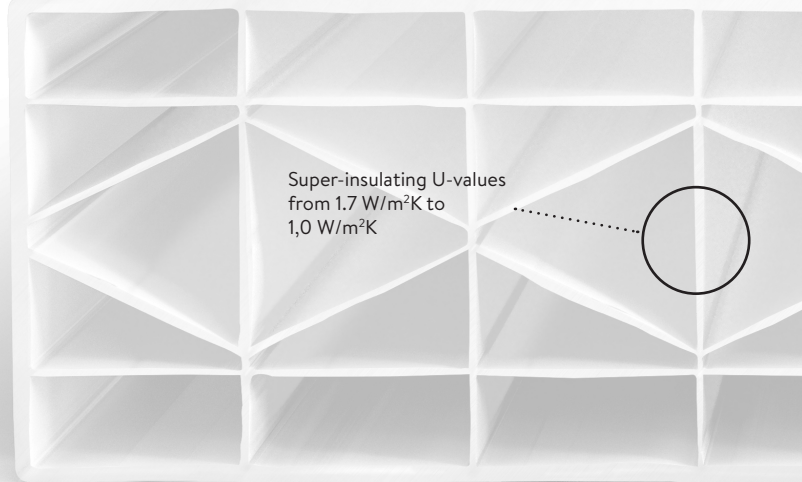


Primalite EP 32 mm



Relax 5M 32 mm

Discover all th



Super-insulating U-values
from 1.7 W/m²K to
1.0 W/m²K

1. Super-insulating

The insulating properties of multi-walled Polyclear® sheets are highly regarded in the market. For example, with the TOP-X 16 mm sheets you already get an excellent U-value of 1.7 W/m²K. However, if this is not enough, there is also the wide range of 32 mm sheets, offering the ultimate U-value of 1.0 W/m²K. As such, this TOP-X11 EP 32 mm sheet is the crème de la crème in terms of insulation.

2. Super-heat-resistant

Most of our 16 and 32 mm sheets are available in heat-resistant versions under the name “Primalite” or “Reflex Pearl”. Thanks to the heat-reflecting coextrusion layer on the outside, the Primalite reflects up to 59% of the sun’s heat, while the sheet still offers optimal light transmittance of 82%! So you not only benefit from insulation during the winter months, but thanks to the heat-resistant properties the average temperature on your veranda remains particularly pleasant during the warmer summer months.

3. Extra rigid

Thanks to their X-structure, the Polyclear® sheets are particularly rigid, allowing them to be fitted across their full width up to 1,230 mm and unlimited length, even with loads of up to 750 N/m².

the benefits of Polyclear



Cheaper thanks to the large sheet width



The heat-reflecting layer ensures 65% less heat from the sun

The X-structure provides extra rigidity



Polycarbonate is fireproof

Multi-walled polycarbonate

4. Cost-effective construction

The large sheet width of up to 1,230 mm is ideal for an affordable supporting structure. Moreover, the number of supporting profiles is reduced by 20%. The super-insulating Top-X® sheets and the heat-resistant variants Primalite® & Reflex Pearl are the perfect sheets for replacing old sheets. For more information, visit our website: www.skylux.be.

5. Safe

Polyclear® are extremely shock-resistant: up to 250 times stronger than glass. The high temperature resistance and especially the self-extinguishing properties of the polycarbonate base material are also a major fire prevention asset.





PROPERTIES MULTIWALL POLYCARBONATE SHEETS

	width (mm)	colour	weight (kg)	light trans- mission (%)	U value (W/m ² K)	blocked energy (1-g)	sound insulation (dB)	minimum permissible cold bending radius (m) *	max. laylength (m) **	
									500 N/m ²	750 N/m ²
Polyclear 10mm 4-walled	1050	clear	1,75	68 %	2,5	35 %	17	1,5	2,0 m	1,6 m
	1200	clear	1,75	68 %	2,5	35 %	17	1,5	2,0 m	1,6 m
	2100	clear	1,75	68 %	2,5	35 %	17	1,5	***	***
	1050	opal	1,75	61 %	2,5	39 %	17	1,5	2,0 m	1,6 m
	1200	opal	1,75	61 %	2,5	39 %	17	1,5	2,0 m	1,6 m
	2100	opal	1,75	61 %	2,5	39 %	17	1,5	***	***
Polyclear 3-walled 2 x UV 16 mm	980	clear	2,6	74 %	2,4	30 %	18	2,4	⌘	5,3 m
	1050	clear	2,6	74 %	2,4	30 %	18	2,4	⌘	5,2 m
	1200	clear	2,6	74 %	2,4	30 %	18	2,4	⌘	5,0 m
	980	opal	2,6	62 %	2,4	38 %	18	2,4	⌘	5,3 m
	1050	opal	2,6	62 %	2,4	38 %	18	2,4	⌘	5,2 m
	1200	opal	2,6	62 %	2,4	38 %	18	2,4	⌘	5,0 m
Polyclear 3-walled 16 mm	2100	clear	2,7	74 %	2,2	30 %	18	2,4	***	***
	2100	opal	2,7	62 %	2,2	38 %	18	2,4	***	***
Titan 10 mm	1050	clear	1,75	62 %	2,5		19	1,75	2,0 m	1,6 m
	1200	clear	1,75	62 %	2,5		19	1,75	2,0 m	1,6 m
	2100	clear	1,75	62 %	2,5		19	1,75	***	***
	1050	opal	1,75	32 %	2,5		19	1,75	2,0 m	1,6 m
	1200	opal	1,75	32 %	2,5		19	1,75	2,0 m	1,6 m
	2100	opal	1,75	32 %	2,5		19	1,75	***	***
Titan 16 mm	980	clear	2,5	62 %	2,1	48 %	21	2,8	⌘	⌘
	1050	clear	2,5	62 %	2,1	48 %	21	2,8	⌘	⌘
	1200	clear	2,5	62 %	2,1	48 %	21	2,8	⌘	⌘
	2100	clear	2,5	62 %	2,1	48 %	21	2,8	***	***
	980	opal	2,5	32 %	2,1	52 %	21	2,8	⌘	⌘
	1050	opal	2,5	32 %	2,1	52 %	21	2,8	⌘	⌘
	1200	opal	2,5	32 %	2,1	52 %	21	2,8	⌘	⌘
	2100	opal	2,5	32 %	2,1	52 %	21	2,8	***	***
Top X5 16 mm	980	clear	2,4	64 %	2,0	39 %	21	2,4	⌘	⌘*
	1050	clear	2,4	64 %	2,0	39 %	21	2,4	⌘	⌘*
	1200	clear	2,4	64 %	2,0	39 %	21	2,4	6 m	3,5 m
	2100	clear	2,4	64 %	2,0	39 %	21	2,4	***	***
	980	opal	2,4	55 %	2,0	46 %	21	2,4	⌘	⌘*
	1050	opal	2,4	55 %	2,0	46 %	21	2,4	⌘	⌘*
	1200	opal	2,4	55 %	2,0	46 %	21	2,4	6 m	3,5 m
	2100	opal	2,4	55 %	2,0	46 %	21	2,4	***	***
Top X6 16 mm	980	clear	2,5	59 %	1,8	39 %	21	3,5	⌘	⌘*
	1050	clear	2,5	59 %	1,8	39 %	21	3,5	⌘	⌘*
	1200	clear	2,5	59 %	1,8	39 %	21	3,5	⌘*	⌘*
	2100	clear	2,5	59 %	1,8	39 %	21	3,5	***	***
	980	opal	2,5	40 %	1,8	61 %	21	3,5	⌘	⌘*
	1050	opal	2,5	40 %	1,8	61 %	21	3,5	⌘	⌘*
	1200	opal	2,5	40 %	1,8	61 %	21	3,5	⌘*	⌘*
	2100	opal	2,5	40 %	1,8	61 %	21	3,5	***	***
Top X6 25 mm	2100	opal	3,3	41 %	1,5	66 %	22	5,3	***	***
Top X6 32 mm	980	clear	3,7	57 %	1,4	39 %	22	7,3	⌘	⌘
	980	opal	3,7	44 %	1,4	46 %	22	7,3	⌘	⌘
	1230	clear	3,7	57 %	1,4	39 %	22	7,3	⌘	⌘
	1230	opal	3,7	44 %	1,4	46 %	22	7,3	⌘	⌘
Top X11 EP 32 mm	980/1230	clear	3,8	42 %	1,0	57 %	23	4,4	⌘	⌘
	980/1230	opal	3,8	16 %	1,0	70 %	23	4,4	⌘	⌘
Reflex Pearl 16 mm	980/1200	opal	2,5	28 %	2,1	81 %	21	2,8	⌘	⌘
Reflex Pearl EP 32 mm	980/1230	opal	3,8	12 %	1,0	68 %	23	4,4	⌘	⌘
Primalite 16 mm	980	satín	2,5	26 %	2,1	68 %	21	2,8	⌘	⌘
	980/1200	clear	2,5	50 %	2,1	65 %	21	2,8	⌘	⌘
Primalite EP 32 mm	980/1230	satín	3,8	16 %	1,0	82 %	23	4,4	⌘	⌘
	1230	clear	3,8	30 %	1,0		23	4,4	⌘	⌘
Relax 5 M 32 mm	980/1230	opal	3,7	30 %	1,1	68 %	18	-	⌘	⌘

* The cold bending must be parallel to the ribs of the sheets, never crosswise (risk of buckling).

** The maximum laylength without transverse rafter. Basis is a load as mentioned, a security factor 1.5 and a maximum bend of 1/40 regard to the sheet width.

*** Impossible

⌘ No transverse rafter necessary

⌘* Laylength 5m max.

Guarantee per type of sheet available on request

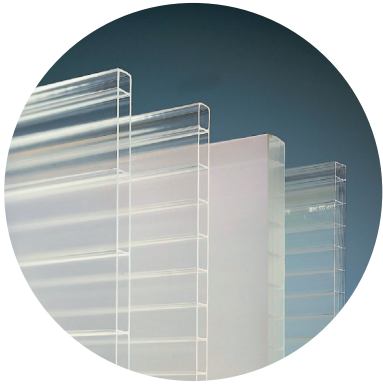
Tolerance on sizes:

thickness ± 0.5mm - width -2 / +6mm

length 0 / + 12mm till 3000mm & > 3000 0 / + 0.4 %

(We recommend removing any snow from the roof.)

OVERVIEW



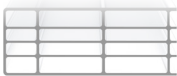
S2P Resist



S2PA Alltop



S5P Resist



S5P Resist Heatstop



Discover all th

The heat-reflecting layer ensures 65% less heat from the sun

Multi-walled acrylic



1. Transparent

These multi-walled sheets are made of acrylic, also known by the brand name Röhm Plexiglas®. Acrylic sheets have excellent optical qualities and high light transmission. Röhm® offers a 30 year guarantee on light transmission.

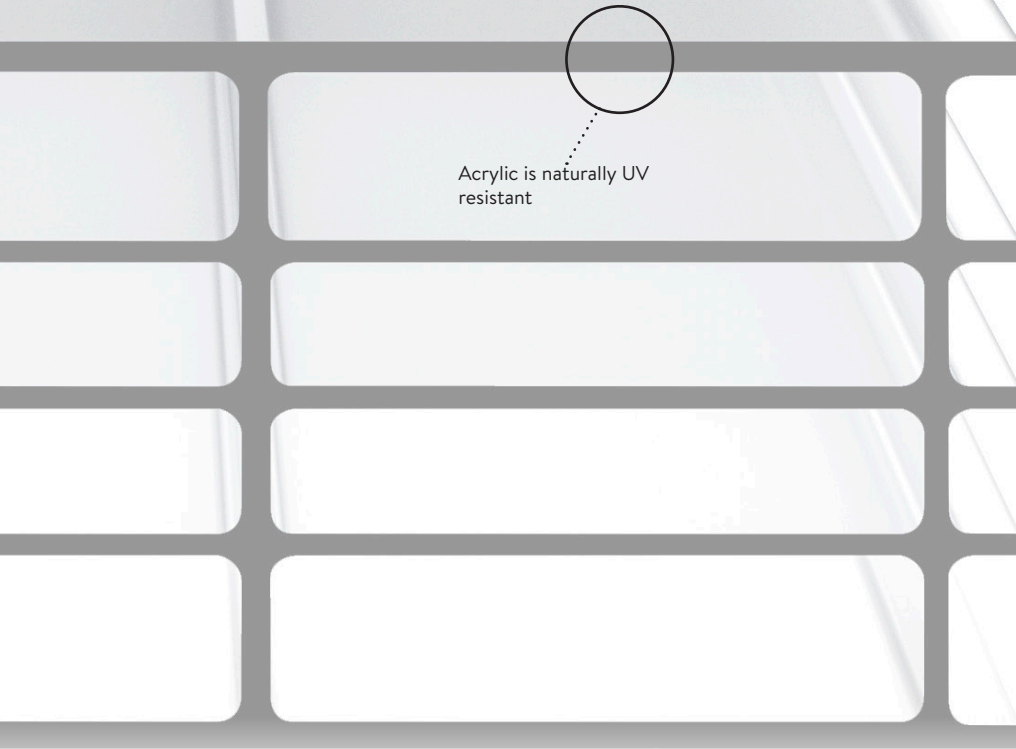
2. Long-lasting

Acrylic is naturally UV resistant. This means that it will not become weather stained or suffer from reduced light transmission, even after 30 years.

3. Mechanical strength

The sheet material and structure guarantee impressive robustness and rigidity.

The benefits of PLEXIGLAS®



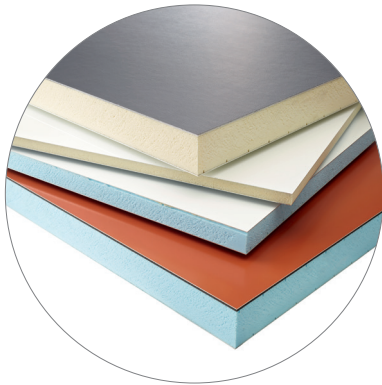
PROPERTIES MULTI-WALLED ACRYLIC SHEETS

	width (mm)	colour	weight (kg)	light transmission (%) DIN 5036	1-g value	U value (W/m²K)	sound insulation (dB)	guarantee on request	max. laylength without transverse rafter	
									500 N	750 N
S2P Resist AAA 16/64	980	clear	4.3	86 %	18 %	2.5	24	L+S+H	⌘	⌘
	980	opal	4.3	74 %	27 %	2.5	24	L+S+H	⌘	⌘
	1200	clear	4.3	86 %	18 %	2.5	24	L+S+H	6	5.1
	1200	opal	4.3	74 %	27 %	2.5	24	L+S+H	6	5.1
Alltop 16/64 *	980	clear	5	91 %	18 %	2.5	22	L+S	⌘	5.1
S5P Resist 32/32	1230	opal	5.8	45 %	59 %	1.5	> 24	L+S+H+E	⌘	⌘
Heatstop S5P Resist 32/32	1230	heatstop opal	5.8	35 %	69 %	1.5	> 24	L+S+H+E	⌘	⌘

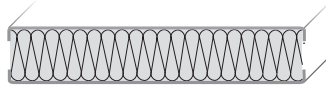
- L Maintenance of light transmission
- S Maintenance of stiffness and solidity
- E Maintenance of heat reflective characteristic
- H Maintenance of hail resistance (energy of 1 Joule)
- ⌘ No transversal rafter necessary
- * lets UV light through (as from 290 nm)
- 1-g total reflection of the solar energy

Tolerance on sizes:
 thickness ± 0.5mm - width -2 /+6mm
 length 0 /+ 12mm till 3000mm & > 3000 0 /+ 0.4 %

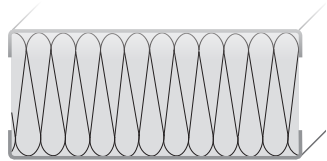
OVERVIEW



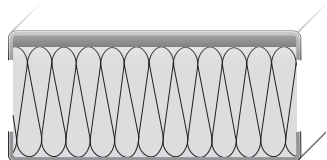
Pergotop 16mm



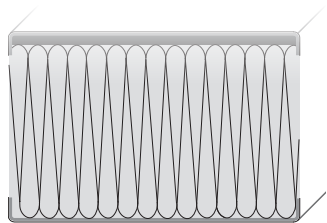
Pergotop 32mm



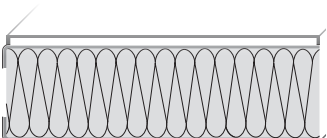
Pergotop Acoustic 32mm



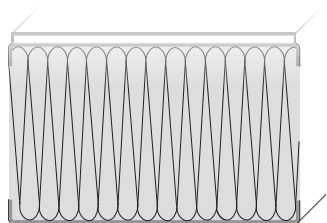
Pergotop Acoustic 57mm



Pergotop Soft Acoustic 32mm



Pergotop Soft Acoustic 57mm



PERGOTOP

These sandwich panels are made of extruded expanded polystyrene, glued between two prelacquered aluminium sheets. This enables us to achieve extremely high insulation values. By offering different thicknesses, they can be used for both new structures and renovation. The scratch-resistant layer ensures you experience care-free enjoyment of your canopy. Pergotop Acoustic has an extra sound damping layer.

PERGOTOP-SOFT

These sandwich panels - also made of extruded expanded polystyrene glued between two prelacquered aluminium sheets - are available in two versions:

- 1x Soft: with 1 sound damping Soft layer on the outside
- 2x Soft: with 2 sound damping Soft layers on the inside and outside

Cost effective construction

The large sheet width of up to 1230mm in 32mm and 57mm sheets reduces costs by requiring less supports in the supporting structure. Pergotop-Soft sandwich panels are installed in the same way as Polyclear and Röhm Plexiglas® sheets.

Easy maintenance and aesthetic finish

Pergotop is available in white/white, slate/white, tile/white versions. Pergotop-Soft is available in white/white, slate/white and brown/white.



PROPERTIES PERGOTOP AND PERGOTOP-SOFT

	width (mm)	colour	weight (kg)	U value (W/m²K)	sound insulation (dB)	max. laylength (m)**	
						500 N/m²	750 N/m²
PERGOTOP-SOFT							
16mm standard	1200	white/white*	4.5	1.53	25	⌘	⌘
32mm standard	1230	white/white*	5.1	0.83	23	⌘	⌘
32mm acoustic	1230	white/white*	5.3	0.89	25	⌘	⌘
	1230	slate/white*	5.3	0.89	25	⌘	⌘
	1230	tile/white*	5.3	0.89	25	⌘	⌘
57mm acoustic	1230	white/white*	6.0	0.52	23	⌘	⌘
	1230	slate/white*	6.0	0.52	23	⌘	⌘
	1230	tile/white*	6.0	0.52	23	⌘	⌘
PERGOTOP-SOFT							
32mm Soft / Alu	1230	white/white*	6.2	0.83	25	⌘	⌘
	1230	slate/white*	6.2	0.83	25	⌘	⌘
	1230	brown/white*	6.2	0.83	25	⌘	⌘
57mm Soft / Alu	1230	white/white*	6.9	0.51	22	⌘	⌘
	1230	slate/white*	6.9	0.51	22	⌘	⌘
	1230	brown/white*	6.9	0.51	22	⌘	⌘

* Pergotop & Pergotop-Soft has a white scratchproof inner side

** The maximum laylength without transverse rafter. Basis is a load as mentioned, a security factor 1.5 and a maximum bend of 1/40 regard to the sheet width.

⌘ No transverse rafter necessary

Guarantee per type of sheet available on request

Tolerance on sizes:

thickness ± 1.5mm - width -2 / +6mm

length 0 / + 12mm till 3000mm & > 3000 0 / + 0.4 %

(We recommend removing any snow from the roof.)



Daylight is in our DNA

Skylux is an AG.Plastics brand. Our family company began in 1954 as a glass and mirror wholesaler. Ever since that day, daylight always has been in our DNA. We produced our first skylights almost 50 years ago, and today they are synonymous with **quality, innovation and durability** throughout Europe. We also produce barrel vaults and veranda systems and distribute façade panels and plastic sheets. Our mission? To bring as much free daylight to people as possible.



A wide range of plastic products

Our range of plastic products for the construction industry and DIY market is extensive. But just as importantly: **we can deliver quickly**. At our business premises - covering a total of 12 ha - we have a large amount of warehouse space alongside our production units. This means we can easily manage the largest stocks of plastics in Europe.



Need more information?

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