

Structure	Thickness (mm)	Dimensions	Optional width	Clear/Opal	Weight g/m ²	U-value W/m ² K	Impact strength (Nm)
Twin wall	4	6000 x 2100	1050	Clear	800	3.9	21.3
	6	6000 x 2100	1050	Clear/Opal	1300	3.7	27
	8	12,000 x 2100	1050	Clear/Opal	1500	3.4	>27
Three wall	16	12,000 x 2100	980/1050	Clear/Opal	2700	2.4	>27
	16	13,000 x 1250	980/1050	Clear/Opal	2700	2.4	>27
Four wall	10	12,000 x 2100	1050	Clear/Opal	1700	2.5	>27
	10	13,000 x 1250	1050	Clear/Opal	1700	2.5	>27
	10	7000 x 2100		HeatGuard	1700	2.5	>27
Five wall	25	13,000 x 1250		Clear/Opal	3400	1.19	>27
Five wall (X)	16	4000 x 980	1050/1250	Clear/Opal	2500	2.0	>27
	16	3500 x 980	1050/1250	Clear/Opal	2500	2.0	>27
	16	3000 x 980	1050/1250	Clear/Opal	2500	2.0	>27
	16	2500 x 980	1050/1250	Clear/Opal	2500	2.0	>27
Seven wall	16	6000 x 2100	1050	Clear/Opal	2500	1.78	>27
	16	7000 x 2100	1050	Clear/Opal	2500	1.78	>27
Nine wall (X)	32	1300 x 1250		Clear/Opal	3600	1.2	>27



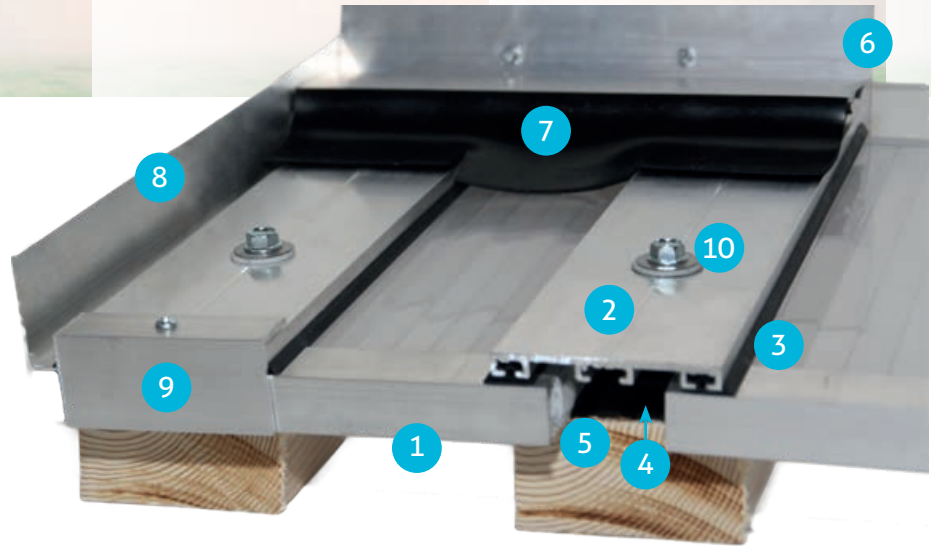
Lightroof Systems is a supplier of daylight-transmitting, solar-heat-resistant roof and wall sheets. Our starting point has always been to listen carefully to the wishes and needs of the client, with the ultimate goal of advising you on the right roof or wall system in which quality, animal welfare and labour efficiency are paramount.

Structure	Thickness (mm)	Clear	Opal
Twin wall	4	84	39
	6	83	49
	8	83	59
Three wall	16	73	47
Four wall	10	73	54

Structure	Thickness (mm)	Clear	Opal
Five wall	25	65	45
Five wall (X)	16	66	39
Seven wall	16	64	45
Nine wall (X)	32	57	43

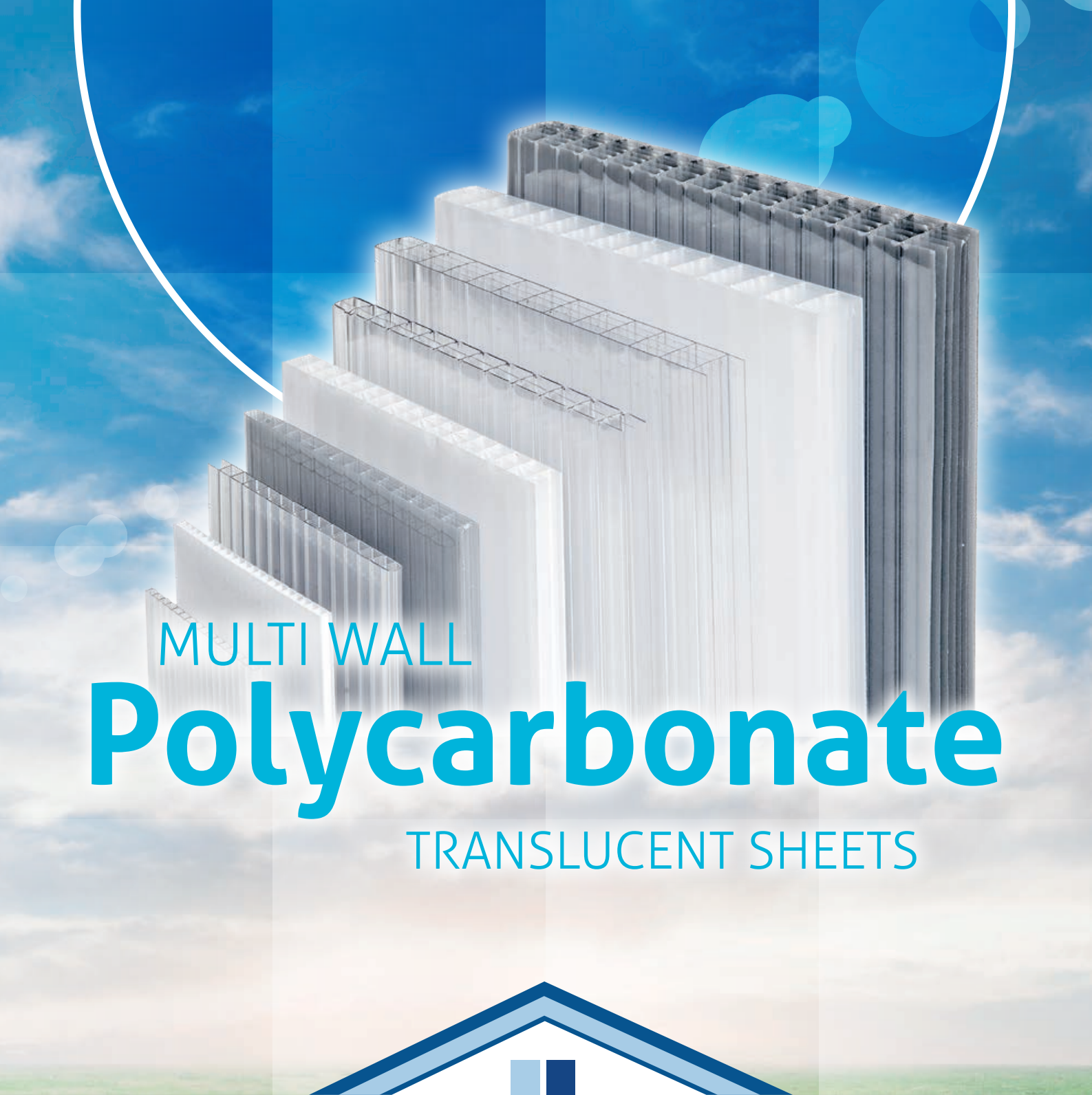
- ✓ IMPROVES ANIMAL HEALTH
- ✓ OPTIMAL ENTRY OF DAYLIGHT
- ✓ SAVES ENERGY

- ✓ IMPROVES PRODUCTIVITY
- ✓ HIGH INSULATION VALUE
- ✓ INCREASES JOB SATISFACTION



1. U-profile 2. Multi-connection profile 3. Multi-connection profile 4. Rubber underlay 5. Open and/or closed sealing tape
6. Wall connection 7. Rubber seal 8. Side profile 9. End piece 10. Screw

All product specifications are subject to typing errors and changes by the manufacturer.



Next-generation roof and wall cladding

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Next-generation roof and wall cladding

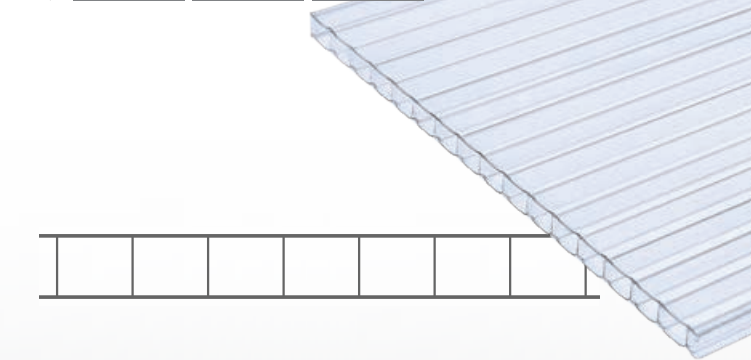
www.lightroofsystems.com

Multi wall polycarbonate



Polycarbonate sheet Twin wall

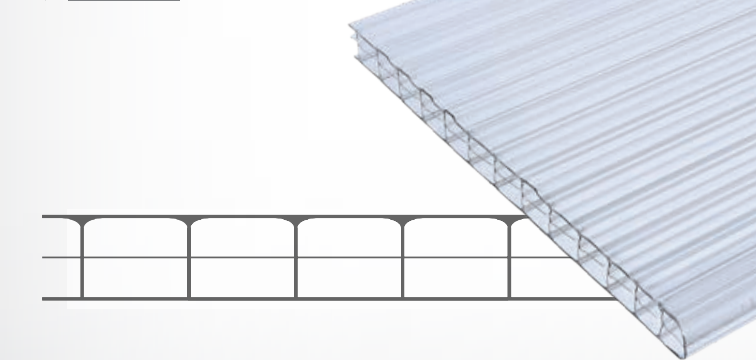
4 MM 6 MM 8 MM



Twin wall polycarbonate sheet, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet 3 wall

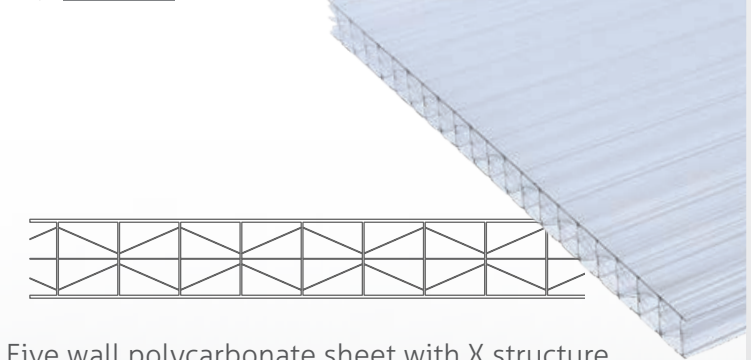
16 MM



Three wall polycarbonate sheet, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet 5 wall (X)

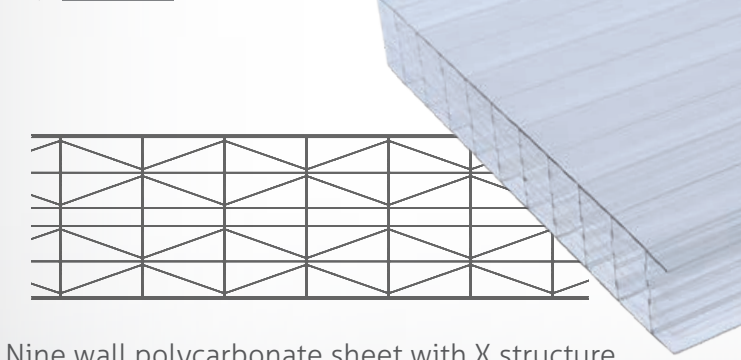
16 MM



Five wall polycarbonate sheet with X structure, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet 9 wall (X)

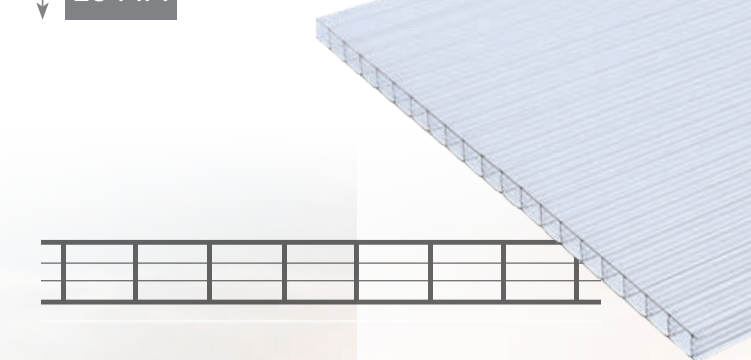
32 MM



Nine wall polycarbonate sheet with X structure, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet Four wall

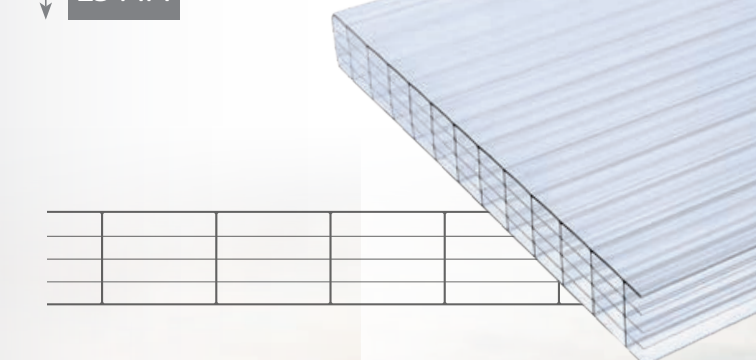
10 MM



Four wall polycarbonate sheet, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet Five wall

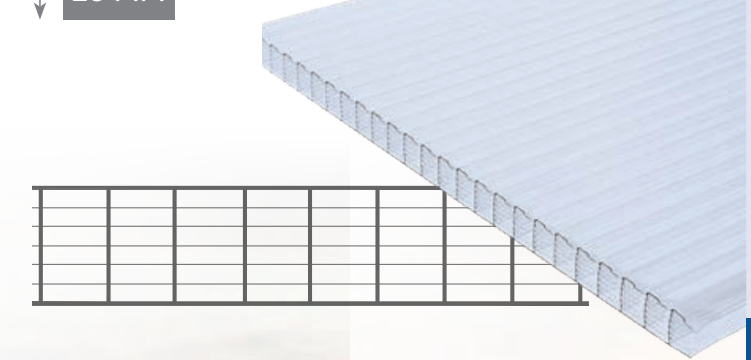
25 MM



Five wall polycarbonate sheet, finished on one side with a UV protective coextrusion top layer.

Polycarbonate sheet Seven wall

16 MM



Seven wall polycarbonate sheet, finished on one side with a UV protective coextrusion top layer.

In most cases Marlon ST has the following fire rating:

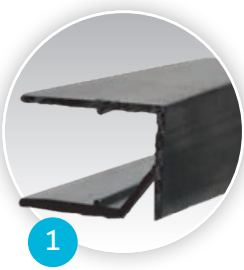
TEST METHOD	CLASSIFICATION
EN13501	B-s1,d0

The fire rating depends on the structure and thickness of the Polycarbonate sheets.

**10-YEAR
MANUFACTURER WARRANTY***

For more information
please contact us on:
+31(0) 545-700205 ■ info@lightroofsystems.com

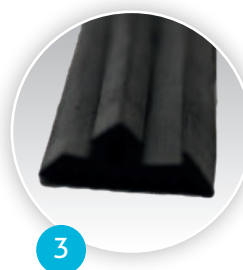
FITTINGS



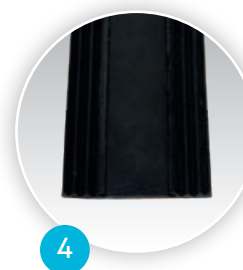
U-profile



Multi-connection
profile



Multi-connection
rubber



Rubber
underlay



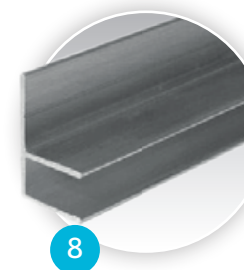
Open and/or
closed sealing tape



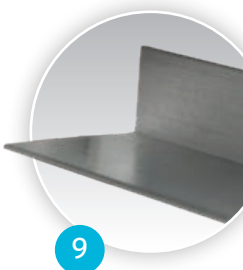
Wall connection



Rubber seal



Side profile



End piece

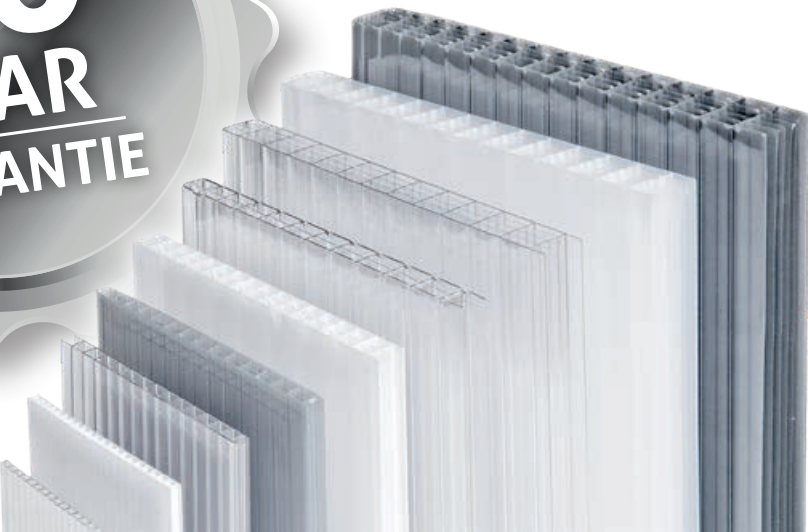


Screw

Polycarbonate is an extremely impact-resistant plastic that can be used within a wide temperature range. With a LongLife UV treatment, a polycarbonate sheet is extremely suitable for external use.

The Lightroof Systems polycarbonate sheets are available in Clear and Opal shades. The exceptional properties of Marlon ST multi wall polycarbonate make it the ideal sheet for durable applications and ideal for providing optimal daylight. A UV-protective coextrusion layer on the outside forms a barrier against the harmful effects of UV light. This minimises the long-term effect of yellowing and ensures that

the mechanical properties are retained. The polycarbonate sheets are also easy to install on the roof or in the facade. Marlon ST LongLife has a 10-year warranty against yellowing. Lightroof Systems supplies polycarbonate in standard sizes, but can also cut this to size and shape. This polycarbonate is cut to size and can be taped with open and/or closed tape as required.



*Contact us for the conditions.