

# Macrolux® Multiwall LL 7W

**Macrolux® Multiwall LL** sheets feature a UV-protected surface to preserve against the rapid degradation that comes with exposure to the harmful effects of sunlight. This protection effectively allows the sheets to retain their original transparency and mechanical impact resistance properties for the duration of their service life. You can tell which side features the UV protection as it has a coloured film featuring the logo of the product family and features marking hot-stamped onto the edge of the sheet. The product's lasting reliability makes **Macrolux® Multiwall LL** sheets suitable for a whole host of different uses, such as:

Flat and curved roofing

Insulating glazing

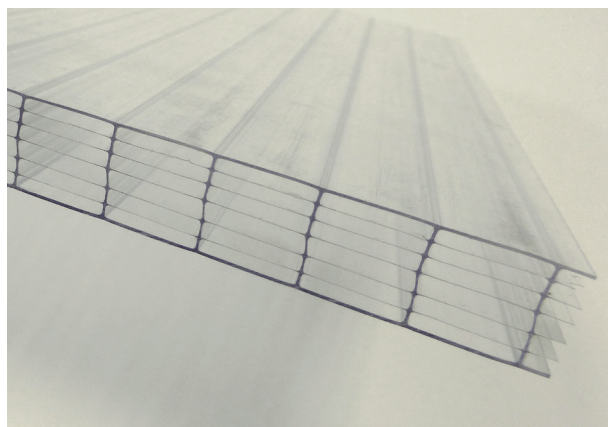
Partitions

Greenhouse glazing

Skylights

Canopies

False ceilings



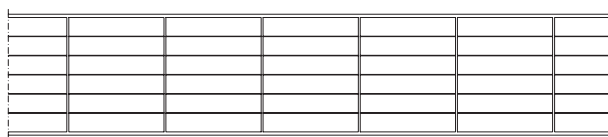
**Macrolux® Multiwall LL 7W** is a polycarbonate multiwall sheet with 7 walls structure and thicknesses of **16, 20** and **25** mm, available in width up to 2100 mm.

His 7 wall structure allows a better thermal insulation compared to sheets with same thickness (**Macrolux® Multiwall LL 7W** 16 mm has a U-value of 1,8 W/m<sup>2</sup> K), provides greater visibility and an excellent light transmission.

It is an ideal product for flat and curved roofing (it's cold bendable), skylights, walls for industrial fenestration and curtain walls.

**7W**

*thicknesses: 16 / 20 / 25 mm*



- **Lightweight**
- **Resistance**
- **UV protection**
- **Excellent thermal insulation**
- **7 wall flat structure for better optical qualities**
- **Great light transmission (LT)**
- **Balance between costs and performances**

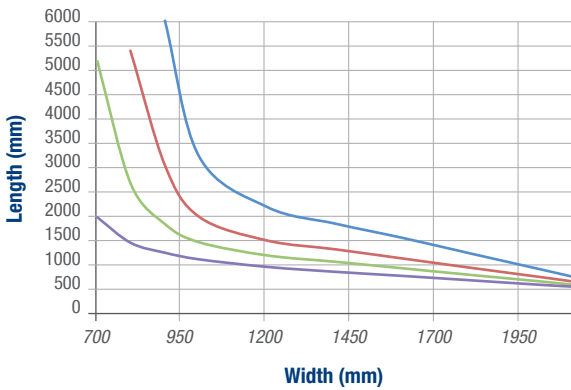
Structure	Thickness (mm)	Weight (kg/m <sup>2</sup> )	LT %		U <sup>''</sup> Value (W/m <sup>2</sup> K)
			Clear (0010)	Opal (0037)	
7W	16	2,5	55	31	1,8
7W	20	3,1	54	27	1,6
7W	25	3,3	50	24	1,4

Sheets are certified according to EN 13501-1 (Euroclass B s1 d0 – B s2 d0).

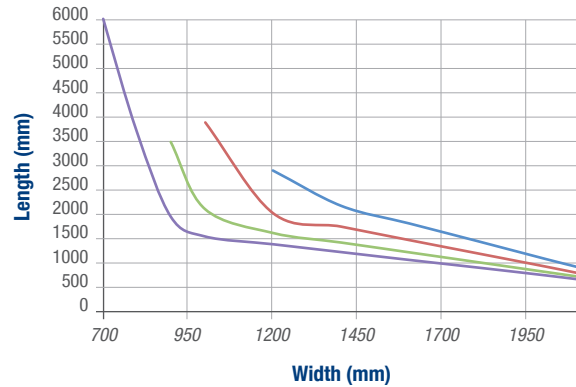
**'' Value U:** Certified values or calculated values (thermal conductivity 0.20 W/m<sup>2</sup>K; outside heat transmission coefficient 23 W/m<sup>2</sup>K; inside heat transmission coefficient 8 W/m<sup>2</sup>K according to EN 674 standard).

For detailed technical data please refer to our Macrolux® Multiwall technical manual or to specific technical data sheets.

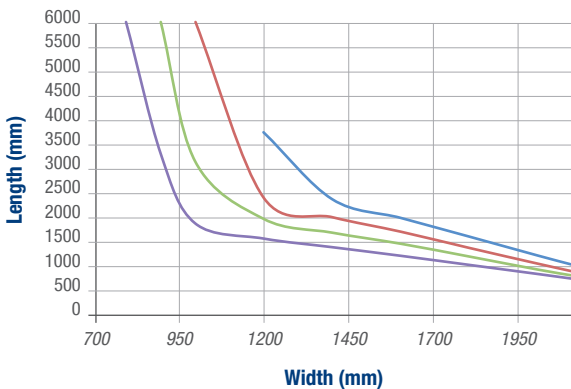
### Load chart for 16 mm solution



### Load chart for 20 mm solution



### Load chart for 25 mm solution



— 800 N/m <sup>2</sup>	— 1200 N/m <sup>2</sup>	The load charts refer to breaking load values for sheets fixed on 4 sides.
— 1600 N/m <sup>2</sup>	— 2000 N/m <sup>2</sup>	



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**Koscon Industrial s.A.**  
 SHEETS AND SYSTEMS IN POLYCARBONATE