

Product data sheet, January 2020

# Makrolon® multi UV 2/4-8

## Multiwall polycarbonate sheet



S Line  
Standard

### Your benefits:

- high impact strength
- lightweight
- cold-bendable

**Makrolon multi UV 2/4-8** is a twinwall polycarbonate sheet of 4 mm thickness. The sheet is lightweight, impact resistant and easy to install.

### Applications:

**Makrolon multi UV 2/4-8** is used as an advertising display, partition and load-free panel. For load bearing structures (exposed to wind or snow loads), installed flat or as barrel vaults, it is advised to use sheets of greater thickness.

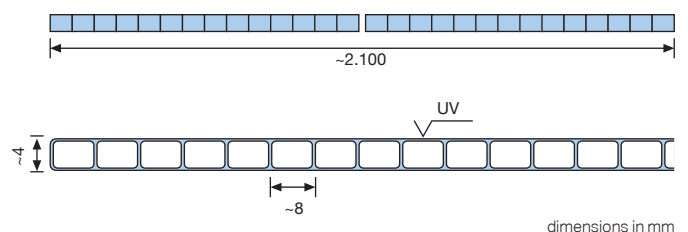
### UV-protection

The sheets are produced with a coextruded UV-protective layer, which is homogeneously fused with the sheet material. This UV-protected side must be installed facing upwards/outwards.

### TECHNICAL DATA (TYPICAL VALUES)

Area weight	0.8 kg/m <sup>2</sup>		
Sheet width	2,100 mm		
Possible delivery lengths	2,000 to 12,000 mm		
Minimum permissible cold-bending radius <sup>(1)</sup>	700 mm		
Light transmittance $\tau_{D65}$ (UV-absorbing) – expected values	clear 1099:	ca. 82 %	
	white 1146:	ca. 80 %	
	white 1125:	ca. 31 %	
Coefficient of thermal expansion $\alpha$	0.065 mm/m °C		
Possible expansion due to heat and moisture	3 mm/m		
Max. service temperature without load	120°C		
Fire rating <sup>(2)</sup>	clear 1099, white 1146 • Europe bronze 1845	} B-s1, d0 (EN 13501-1)	

- <sup>(1)</sup> The cold-bending must be parallel to the ribs of the sheets, never crosswise (risk of buckling).  
<sup>(2)</sup> Fire certificates are limited in time and scope, always check if the mentioned certificate is valid for the purchased Polycarbonate sheet type at the date of delivery. Polycarbonate sheets may change their fire behavior due to ageing and weathering. The indicated fire rating was tested on new / unweathered Product in accordance with the indicated fire classification standards.



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Exolon Group S-Line, the standard product line, represents a range of certified quality products which offer the reliable solution for most applications.

Exolon Group also produces solid sheets in polycarbonate (Makrolon® GP) and in polyester (Vivak® and Axpet®).  
For more information, take a look at [www.exolongroup.com](http://www.exolongroup.com).



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