

# Exolon® multi UV Onda 6

## Corrugated multiwall polycarbonate sheet



### Your benefits:

- good load bearing properties
- good light transmission
- easy to install

**Exolon® multi UV Onda 6** is a corrugated multiwall polycarbonate sheet. It combines good load bearing properties, light transmission and excellent weather resistance. The sheet is lightweight, impact resistant and easy to install.

**Exolon® multi UV Onda 6** is ideal for

- roofing

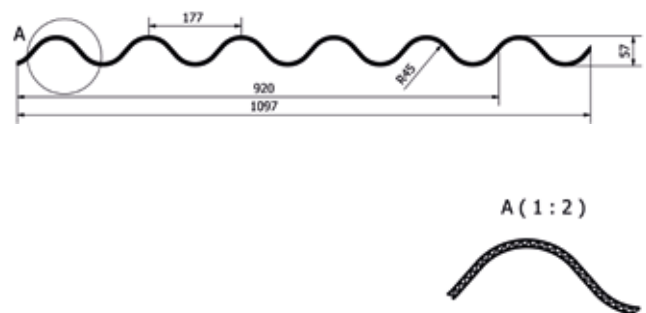
The UV coating of **Exolon® multi UV Onda 6** is applied by coextrusion and is homogeneously fused with the sheet. We give a 10-year warranty on this highly effective protection against sunlight and weathering. It must be ensured when installing the sheet that the UV coating faces upwards/outwards (towards the sun).

### TECHNICAL DATA (TYPICAL VALUES)

Area weight	2,0 kg/m <sup>2</sup>	
Thickness	6 mm	
Sheet width	920 - 1,097 mm +/- 5 mm	
Possible delivery lengths	on request	
Light transmittance $\tau_{D65}$ (UV-absorbing)	clear 1099 frost: white 1146:	ca. 72 % ca. 65 %
Total energy transmission g	clear 1099 frost: white 1146:	ca. 70 % ca. 69 %
Heat transfer coefficient Ug <sup>(2)</sup>	3.3 W/m <sup>2</sup> K	
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>(1)</sup> • Europe	clear 1099 frost } white 1146 }	B-s1, d0 (EN 13501-1)

<sup>(1)</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.

<sup>(2)</sup> Heat transfer coefficient Ug according to EN ISO 10077-2



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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.

When using **Exolon® multi UV Onda 6** in roof installations, the forces exerted by snow and wind loads must be absorbed by a suitable substructure. We recommend implementing the support distance indicated in the diagram for the respective loads.

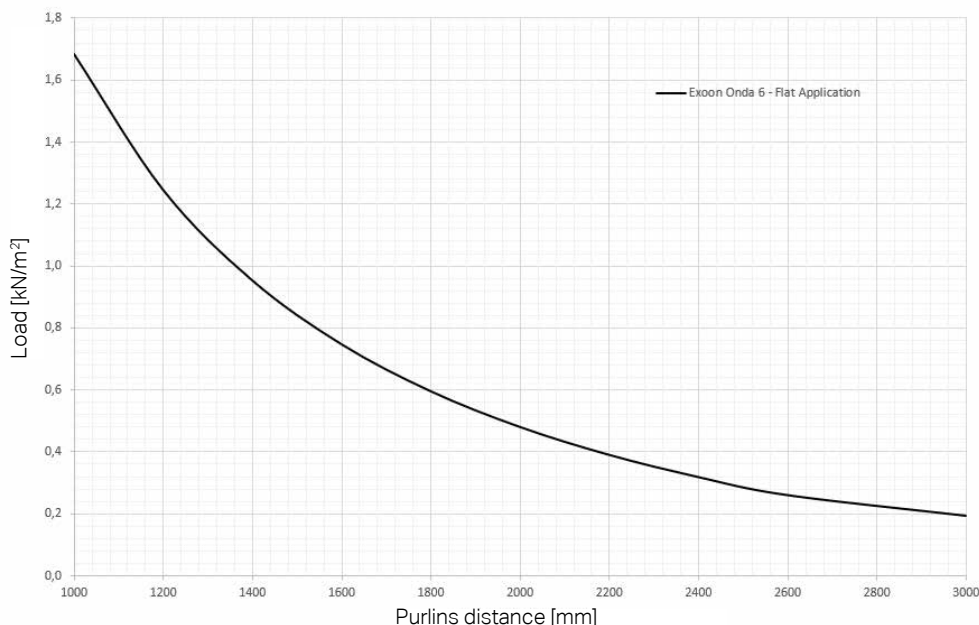
The diagram shows the load-bearing capacity of **Exolon® multi UV Onda 6**.

The values are indicative values, evaluated by tests on actual systems. The load values do not replace any official value calculated by an expert or a notified body.

Adequate safety margins must be observed in addition to these values. The margins are to be assessed on a case-by-case basis.

**These specifications do not replace national regulations, such as building inspectorate approval in Germany (DIBt), Avis Techniques in France, etc.**

\*Further information can be obtained on request



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



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