

Exolon® multi UV Greca 5G - 20 mm

Multiwall polycarbonate sheet



Your benefits:

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

Exolon® multi UV Greca 5G is a 4-wall polycarbonate sheet with a tunnel structure and a greca profile. 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 Greca 5G is ideal for

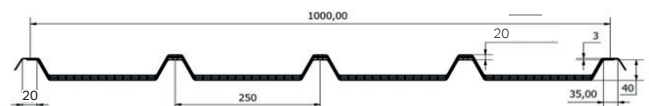
- roofing
- combination of sandwich panels

The UV coating of **Exolon® multi UV Greca 5G** is applied by co-extrusion 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)

Thickness	20 mm	
Sheet width	1,000 mm +/- 5 mm	
Possible delivery lengths	on request	
Light transmittance τ_{D65} (UV-absorbing)	clear 1099 frost: white 1146:	ca. 76 % ca. 60 %
Total energy transmission g	clear 1099 frost: white 1146:	ca. 56 % ca. 51 %
Heat transfer coefficient U_g ⁽²⁾	1.8 W/m ² K	
Coefficient of thermal expansion α	0.065 mm/m °C	
Possible expansion due to heat and moisture	3 mm/m	
Min. recommended slope	5°	
Max. service temperature without load	120°C	

⁽²⁾ Heat transfer coefficient U_g according to EN ISO 10077-2



Adjustment of the edges could be required in the following range:
Min. 20 mm and Max. 40 mm

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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 Greca 5G** 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.

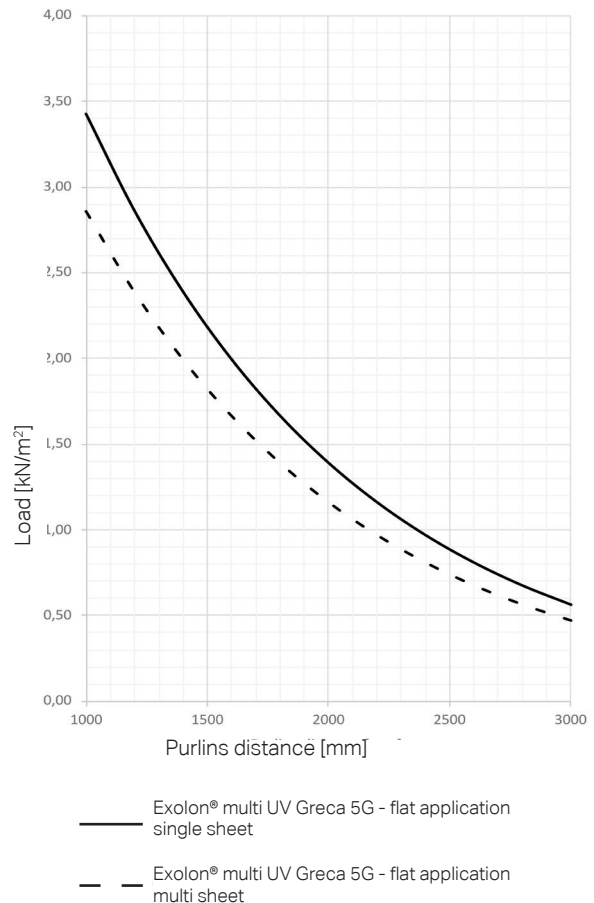
The diagram shows the load-bearing capacity of **Exolon® multi UV Greca 5G**

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.

In general, experience has proven that a safety factor of 1.2 is adequate with regard to the measured resistance values. This safety factor is included in the diagram.

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.



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