



Makrolon® multi UV One range, many solutions



makrolon®
multi UV

What exactly is Makrolon® multi UV?

This name stands for transparent, weather-resistant multi-skin polycarbonate sheets with a UV-protective coating. The sheet configuration (double-skin, triple-skin or sextuple-skin) provides optimum heat insulation. The unique properties of Makrolon® sheets make them suitable for a multitude of applications, and vastly superior to most other plastics.

What benefits does Makrolon® multi UV offer? Where is Makrolon® multi UV employed?

Makrolon® multi UV sheets are:

- 250 times more impact-resistant than glass, and therefore hail-resistant. Moreover, there is no risk of breakage during installation and transport.
- easy to install and fabricate. Cutting to size can be done with commercially available tools. Further processing by cold-curving or thermoforming possible.
- lightweight owing to the sheet configuration. Particularly economical because they can be installed on lightweight, simply designed supporting structures.
- perfectly heat-insulating, with U_g -values of up to $1.4W/m^2K$.
- extremely weather-resistant. The permanent UV-protective layer durably protects the sheets from atmospheric influences.

Makrolon® multi UV sheets are used for various types of glazing in private and industrial buildings, e.g. for conservatories, verandas, patios, greenhouses, carports, light domes, rooflights, sports halls and stadiums.

What special properties do the different grades offer?

Makrolon® multi UV IQ-Relax:

- heat-reducing special grade for a continuously pleasant room climate. High light transmission and opalescent color add to the pleasant lighting conditions.

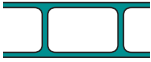
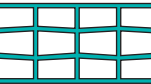



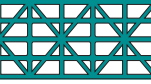
Makrolon® multi UV no drop:

- special water-dispersing layer that prevents drop formation in humid conditions, e.g. in greenhouses or indoor swimming pools.



Makrolon® multi UV.

The whole range at a glance

Profile	Name	Grade	Colours	Versions	Thickness in mm	Weight in kg/m ²	U _g -value in W/m ² K
	Makrolon® multi UV 2/4-6	2/4	clear opal		4	0.8	4.1
	Makrolon® multi UV 2/6-6	2/6	clear opal, bronze green, blue		6	1.3	3.7
	Makrolon® multi UV 2/8-10,5	2/8	clear opal bronze	IQ-Relax no drop	8	1.5	3.6
	Makrolon® multi UV 2/10-10,5	2/10	clear opal, bronze green, blue	IQ-Relax no drop	10	1.7	3.1
	Makrolon® multi UV 4/10-6	4/10	clear opal	IQ-Relax no drop	10	1.75	2.5
	Makrolon® multi UV 3/16-16	3/16	clear opal bronze	no drop	16	2.8	2.4
	Makrolon® multi UV 3X/16-25	3X/16	clear opal bronze	IQ-Relax no drop	16	2.5	2.0
	Makrolon® multi UV 6/16-20	6/16	clear opal	IQ-Relax no drop	16	2.8	1.82
	Makrolon® multi UV 6/20-20	6/20	clear opal	IQ-Relax	20	3.1	1.67
	Makrolon® multi UV 5X/25-25	5X/25	clear opal bronze	IQ-Relax	25	3.5	1.6
	Makrolon® multi UV 5X/32-25	5X/32	clear opal	IQ-Relax	32	3.7	1.4

You can receive further information on Makrolon® multi UV or other Bayer Sheet Europe products from:

Authorized distributor:



Bayer Sheet Europe GmbH
 Otto-Hesse-Straße 19/T9
 64293 Darmstadt
 Germany
 Phone: +49 6151 13 03-0
 Fax: +49 6151 13 03-500
www.bayersheeteurope.com
sales@bayersheeteurope.com

A  Bayer MaterialScience Company

 **makrolon®**
 multi UV

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