Macrolux® Solid

POLYCARBONATE
SOLID SHEETS

Macrolux®

Macrolux® Solid compact sheets are the ideal solution in fields of application where impact resistance and excellent light transmission are essential: glazing, parapets, canopies, skylights, curved roofing systems, signage in general, neon signs, road signs, noise barriers.

Macrolux® Solid sheets come in thicknesses ranging from 2 mm to 20 mm, in a choice of translucent and opaque colours.

Macrolux® Solid No UV

Macrolux® Solid NO UV sheets are monolithic polycarbonate sheets with no UV protection. They can be used in any application that is not going to be exposed to direct sunlight, such as unbreakable containers, ballot boxes, guards for industrial machinery, internal partitions.

Applications

- Internal partitions
- Internal protections
- Machinery guards
- Industry

NO UV PROTECTION

Macrolux® Solid XL

Macrolux® Solid XL sheets are monolithic polycarbonate sheets with UV protection on only one side. Ideal for applications where just one side of the sheet will be directly exposed to the harmful effects of solar UV rays.

Applications

- Skylights
- Glazing
- Opening frames
- External partitions
- Noise barriers
- Safety glazing
- Parapets
- Canopies

UV PROTECTION

Macrolux® Solid 2XL

Macrolux® Solid 2XL sheets are monolithic polycarbonate sheets with dual UV protection. They are used in all applications where the sheet is exposed to the harmful effects of direct sunlight. The co-extruded protection on both surfaces means cutting is optimized, the possibility of incorrect assembly is reduced to a minimum and lasting stability is ensured when it comes to both optical and mechanical properties. This product's features make it unique in delivering superior performance in terms of: transparency, impact resistance, mechanical strength, machinability and adaptability to a wide range of solutions, in addition to retaining exceptional chemical and physical stability. Ideal for applications in which both of the sheet's sides will be exposed to the sunlight.

Applications

- Skylights
- Glazing
- Opening frames
- External partitions
- Noise barriers
- Safety glazing
- Parapets
- Canopies

UV PROTECTION

Macrolux®

Macrolux® Solid XL Solar Control

Macrolux® Solid XL IR sheets are "solar-controlled" compact sheets that retain all the special properties of Macrolux Solid XL sheets but also, successfully reduce the amount of infrared radiation that passes through. This results in a reduced "greenhouse effect." Macrolux XL Solar Control sheets can be produced with either UV on one side or with UV on both sides.

Applications

- Skylights
- Glazing
- Opening frames
- External partitions
- Noise barriers
- Safety glazing
- Parapets
- Canopies

UV PROTECTION

Product range

PRODUCT RANGE						
Thickness	2mm (3/32")	3mm (1/8")	4mm (5/32")	4.5mm (3/16")	5mm (3/16")	6mm (1/4")
Weight (lb/ft2)	0.49	0.74	0.98	1.10	1.23	1.47
Weight (g/m2)	2400	3600	4800	5400	6000	7200
Width (in)	48", 72" , 80.71"					
Length (in)	48" – 240"					
U Value (Wm2k)	5.6	5.4	5.3	5.2	5.1	5.0
Sound Reduction dB	N/A	26	27	27	28	29
Minimum bend radius (in)	12	18	24	27	30	35
Light transmission (%)						
Clear	89	88	87	87	87	86
Opal	68	56	48	45	42	36
Bronze	52	52	52	52	52	52

PRODUCT RANGE						
Thickness	8mm (5/16")	9.5mm (3/8")	10mm (13/32")	12mm (15/32")	12.7mm (1/2")	15mm (5/8")
Weight (lb/ft2)	1.96	2.33	2.45	2.94	3.11	3.68
Weight (g/m2)	9600	11400	12000	14400	15240	18000
Width (in)	48", 72" , 80.71"					
Length (in)	48" – 240"					
U Value (Wm2k)	4.8	4.6	4.5	4.3	4.3	4.1
Sound Reduction dB	31	32	32	32	32	33
Minimum bend radius (in)	47	56	59	71	75	89
Light transmission (%)						
Clear	85	84	83	81	81	80
Opal	28	23	23	N/A	N/A	N/A
Bronze	52	52	52	52	52	N/A

*Contact your sales representative for information regarding the availability of other colors or thicknesses

10 YEARS LIMITED WARRANTY

Macrolux®
USA

1. The installation must comply with the Macrolux USA guidelines for warranty to be valid. Local authorization may be required.
2. Installation guidelines available on request. For additional information or questions contact Macrolux USA at 800.888.5364