



POLYCARBONATE
SOLID SHEETS



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 12.7 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



Product range

PRODUCT RANGE						
Thickness	2mm (3/32")	3mm (1/8")	4mm (5/32")	4.5mm (3/16")	5mm (3/16")	5.5mm (7/32")
Weight (lb/ft ²)	0.49	0.74	0.98	1.10	1.23	1.35
Weight (g/m ²)	2400	3600	4800	5400	6000	6600
Width (in)	48", 72", 80.71"					
Length (in)	48" – 240"					
U Value (Wm ² k)	5.6	5.4	5.3	5.2	5.1	5.1
Sound Reduction dB	N/A	26	27	27	28	28
Minimum bend radius (in)	12	18	24	27	30	33
Light transmission (%)						
Clear	89	88	87	87	87	86
Opal	68	56	48	45	42	39
Bronze	52	52	52	52	52	52
Smoke gray	50	50	50	50	50	50
Dark smoke gray	20	20	20	20	20	20
Green	70	70	70	70	70	70
Opaque white	54	42	34	31	28	25

PRODUCT RANGE						
Thickness	6mm (1/4")	8mm (5/16")	9.5mm (3/8")	10mm (13/32")	12mm (15/32")	12.7mm (1/2")
Weight (lb/ft ²)	1.47	1.96	2.33	2.45	2.94	3.11
Weight (g/m ²)	7200	9600	11400	12000	14400	15240
Width (in)	48", 72", 80.71"					
Length (in)	48" – 240"					
U Value (Wm ² k)	5.0	4.8	4.6	4.5	4.3	4.3
Sound Reduction dB	29	31	32	32	32	32
Minimum bend radius (in)	35	47	56	59	71	75
Light transmission (%)						
Clear	86	85	84	83	81	81
Opal	36	28	23	23	N/A	N/A
Bronze	52	52	52	52	52	52
Smoke gray	50	50	50	50	50	50
Dark smoke gray	20	20	20	20	20	20
Green	70	70	70	70	70	70
Opaque white	22	16	10	8	1	N/A

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

FLAMMABILITY	
ASTM D 635	C1 ; C2
ASTM D 1929	Self Ignition 1022 °F
	Flash Ignition 932 °F
UL 94	V-1





The data shown here is subject to change without notice at the discretion of Macrolux® CANADA. It is the sole responsibility of the customer to confirm with their own architect, engineer or other professional consultants that the goods offered for sale by Macrolux® CANADA meet the requirements and specifications of the particular project and use for which they are being purchased.

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