

SCHOTT MIROGARD® – Anti-Reflective Glass for Art Glazing

Technical Data Sheet

Dimensions (net/without dipping edge (min.))	Thickness / (Type)		Thickness tolerance	Standard box contents			Luminous reflectance	Luminous trans- mittance	UV trans- mittance	Color rendering index
mm × mm	mm		mm	m ²	Pieces	kg brutto	ρ_{VA} %	τ_{VA} %	τ_{UV}^* %	R_a
MIROGARD®										
1,770 × 1,220	2.0		0 –0.2	approx. 33	5 small-scale- packaging à 3 sheets, approx. 35 kg	approx. 260	0.9	99	52	100
1,770 × 1,220	2.0		0 –0.2	approx. 50	23	approx. 330	0.9	99	52	100
885 × 1,220	2.0		0 –0.2	approx. 55	10 small-scale- packaging à 5 sheets, approx. 29 kg	approx. 335	0.9	99	52	100
885 × 1,220	2.0		0 –0.2	approx. 50	46	approx. 310	0.9	99	52	100
1,770 × 1,220	3.0		0 –0.2	approx. 40	18	approx. 370	0.9	99	51	100
1,770 × 1,220	4.0		0 –0.2	approx. 30	14	approx. 420	0.9	99	49	100
3,180 × 1,770	3.0		0 –0.2	approx. 140	25	approx. 1300	0.9	99	51	100
3,180 × 1,770	4.0		0 –0.2	approx. 124	22	approx. 1350	0.9	99	49	100
MIROGARD® plus										
1,770 × 1,220	2.0		0 –0.2	approx. 33	5 small-scale- packaging à 3 sheets, approx. 35 kg	approx. 260	1.1	98	18 ± 2	98
1,770 × 1,220	2.0		0 –0.2	approx. 50	23	approx. 330	1.1	98	18 ± 2	98
885 × 1,220	2.0		0 –0.2	approx. 50	46	approx. 310	1.1	98	18 ± 2	98
885 × 1,220	2.0		0 –0.2	approx. 54	10 small-scale- packaging à 5 sheets, approx. 29 kg	approx. 335	1.1	98	18 ± 2	98
1,770 × 1,220	3.0		0 –0.2	approx. 38	18	approx. 370	1.1	98	18 ± 2	98
3,180 × 1,770	3.0		0 –0.2	approx. 140	25	approx. 1300	1.1	98	18 ± 2	98
3,180 × 1,770	4.0		0 –0.2	approx. 124	22	approx. 1350	1.1	98	18 ± 2	98
MIROGARD® Protect										
1,770 × 1,220	4.38	4/2	0 –0.4	approx. 15	7	approx. 260	0.9	98	< 1	100
1,770 × 1,220	6.38	6/2	0 –0.4	approx. 15	7	approx. 310	0.9	98	< 1	100
1,770 × 1,220	8.38	8/2	0 –0.4	approx. 13	6	approx. 325	0.9	98	< 1	100
MIROGARD® Protect Ultra										
1,770 × 1,220	2.95		± 0.20	approx. 38	18	approx. 310	0.9	98	< 0.05	100

* (300 nm to 380 nm)

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Virtually no reflections

Conventional glass reflects about 8 % of light. This results in an undesirable reflection effect. With SCHOTT's optical interference coated Anti-Reflective Glass, reflection is reduced to approx. 1 %, which means it is virtually eliminated.

Highest transparency

Normal glass has light transmission of only 91 %. With MIROGARD® glasses, it is close to 99 %. This means that MIROGARD®, MIROGARD® plus, MIROGARD® Protect and MIROGARD® Protect Ultra are nearly invisible under normal viewing conditions. MIROGARD®, MIROGARD® Protect and MIROGARD® Protect Ultra portray the colors of the pictures glazed as neutrally as possible thanks to their high color rendering index $R_a = 100$. The result: The brilliance of colors in works of art is reproduced without losing any of its original quality.

Lightweight and very thin

Because it is only 2.95 mm thick, MIROGARD® Protect Ultra can easily be used in existing standard picture framing solutions. At the time it is extremely mechanically stable and weighs only 6.5 kg/square meter.

Protection from UV-radiation

All types of MIROGARD® glass reduce UV-radiation by absorption and reflection. Various versions of the product are available, depending on the level of protection required.

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SCHOTT
glass made of ideas