

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
	inches x inches	inches		inches	sq ft	Pieces				
MIROGARD®										
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 355	5 small-scale- packaging à 3 sheets, approx. 77 lbs	approx. 573	0.9	99	52	100
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 538	23	approx. 727	0.9	99	52	100
34 ²⁷ / ₃₂ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 592	10 small-scale- packaging à 5 sheets, approx. 64 lbs	approx. 738	0.9	99	52	100
34 ²⁷ / ₃₂ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 538	46	approx. 683	0.9	99	52	100
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.12		0 -0.01	approx. 430	18	approx. 815	0.9	99	51	100
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.16		0 -0.01	approx. 323	14	approx. 926	0.9	99	49	100
125 ³ / ₁₆ x 69 ¹¹ / ₁₆	0.12		0 -0.01	approx. 1507	25	approx. 2866	0.9	99	51	100
125 ³ / ₁₆ x 69 ¹¹ / ₁₆	0.16		0 -0.01	approx. 1335	22	approx. 2976	0.9	99	49	100
MIROGARD® plus										
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 355	5 small-scale- packaging à 3 sheets, approx. 77 lbs	approx. 573	1.1	98	18 ± 2	98
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 538	23	approx. 727	1.1	98	18 ± 2	98
34 ²⁷ / ₃₂ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 538	46	approx. 683	1.1	98	18 ± 2	98
34 ²⁷ / ₃₂ x 48 ¹ / ₃₂	0.08		0 -0.01	approx. 581	10 small-scale- packaging à 5 sheets, approx. 64 lbs	approx. 738	1.1	98	18 ± 2	98
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.12		0 -0.01	approx. 409	18	approx. 815	1.1	98	18 ± 2	98
125 ³ / ₁₆ x 69 ¹¹ / ₁₆	0.12		0 -0.01	approx. 1507	25	approx. 2866	1.1	98	18 ± 2	98
125 ³ / ₁₆ x 69 ¹¹ / ₁₆	0.16		0 -0.01	approx. 1335	22	approx. 2976	1.1	98	18 ± 2	98
MIROGARD® Protect										
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.17	4/2	0 -0.02	approx. 161	7	approx. 573	0.9	98	< 1	100
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.25	6/2	0 -0.02	approx. 161	7	approx. 683	0.9	98	< 1	100
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.33	8/2	0 -0.02	approx. 140	6	approx. 716	0.9	98	< 1	100
MIROGARD® Protect Ultra										
69 ¹¹ / ₁₆ x 48 ¹ / ₃₂	0.12		± 0.01	approx. 409	18	approx. 683	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 0.12 inches thick, MIROGARD® Protect Ultra can easily be used in existing standard picture framing solutions. At the time it is extremely mechanical stable and weighs only 14.33 lbs/sq ft.

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
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