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Artglass Picture Framing

Technical specification

Artglass Picture Framing glass is a premium glazing product for framing professionals. Artglass product portfolio consists of several specialized products with unique coating designs, fit for a multitude of practical applications.

Artglass AR 99 combines the highest possible UV protection with the ultimate transparency. Its 99% UV block helps prevent fading of precious materials and colors over time, while the anti-reflective coating makes the glass appear invisible. We recommend this conservation grade product for framing jobs that require the maximum UV protection combined with the ultimate transparency.

Artglass AR 92 is used where the clarity and trueness of color are paramount, while the danger of UV damage is present. Low-iron glass substrate transmits true colors without shift or absorption, while UV block is dialed back slightly to leave the visible light unimpeded by absorption. We recommend this product for photography glazing that requires optimal UV protection and superb invisibility.

Artglass AR 70 with low-iron glass substrate guarantees true colors, while the invisible magnetron sputtered coating virtually eliminates reflection. Artglass AR 70 is an effective solution for invisible displays where exposure to UV is minimal. With its smooth surface and increased transmission, we recommend this product for photography and print glazing.

Artglass AR 99 Protect safeguards artwork from the harmful UV rays and is also shatter-resistant. This invisible glass is made from two layers of substrate bonded together with a PVB film layer for extra protection from damage caused by broken glass. We recommend this product for treasured art and artifacts, exhibited in high-traffic environments.

Artglass UV 99 provides UV protection by blocking out 99% of harmful rays thus helping prevent the treasured keepsake from fading as well as yellowing of photographs, or paper becoming brittle. While this conservation grade product looks like regular glass, its 99% UV block means that UV damage is nearly impossible. We recommend this product for framing jobs that require the ultimate UV protection.

Optical properties

Optical performance and additional information about the products are described below :

	Artglass AR 99	Artglass AR 92	Artglass AR 70	Artglass AR 99 Protect	Artglass UV 99
Visible Light Transmittance (380-780nm, according to EN410)	≥ 96,5 %	≥ 98,0 %	≥ 98,3 %	~97,5 %	≥ 89,0 %
Visible Light Reflection at 8° angle (380-780nm, according to EN410)	≤ 1,0 %	≤ 1,2 %	≤ 1,0 %	≤ 1,0 %	~ 8,0 %
UV-light transmission (280-380nm, according to EN410)	~ 1 % (99% UV protection)	~ 8 %* (~ 92% UV protection *)	< 30 % (> 70% UV protection)	<1 % (Up to 100% UV protection)	~ 1 % (99% UV protection)
Coated sides	2	2	2	2	1
Reflection Color (See graphs below)	Neutral green	Neutral blue	Neutral green	Neutral green	None
Glass Substrate Type	Float	Low Iron	Low Iron	Laminated Low Iron	Float
Glass substrate Thickness, mm	2,5	2 - 3	2 - 3	4,4-13,5	2

* UV protection calculated as the weighted average

Mechanical and chemical properties

Artglass AR 70, Artglass AR 92, Artglass UV 99, Artglass AR 99 and Artglass AR 99 Protect are manufactured to comply with ISO 1096-2 Class A and ISO 18916 – passing Photographic Activity test.

Artglass AR 99 and Artglass UV 99 also meets ISO 18902 by providing at least 97 % UV protection. The 99% conservation-level UV block is certified by the National Physical Laboratory in UK, according to EN 410.

Technical information

Standard packaging for Picture Framing products is in wooden crates, packed through polyethylene foil in cardboard boxes. Our standard cut-sizes are:

Size, mm	Size, inches	Pcs in a box	Pcs in a crate
610 x 914	24" x 36"	2 or 4	60 or 120
813 x 1016	32" x 40"		
800 x 1100	31" $\frac{1}{2}$ x 43" $\frac{5}{16}$		
800 x 1200	31" $\frac{1}{2}$ x 47" $\frac{1}{4}$		
914 x 1219	36" x 48"		
1000 x 1600	39" $\frac{3}{8}$ x 63"		
1016 x 1524	40" x 60"		
1100 x 1600	43" $\frac{5}{16}$ x 63"		
1200 x 1600	47" $\frac{1}{4}$ x 63"		
1219 x 1727	48" x 68"	2	

For other packing options or net sheet sizes, contact sales@groglass.com.

Information about Storage, Handling, Washing etc. can be found in our "Handling and Cleaning Guidelines"