

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 WATER WHITE

Artglass AR 99 Water White is the highest quality glazing available on the market. Our advanced chemical coating formula for 99% UV protection on low-iron substrate provides superb clarity and color precision, combined with the maximum UV protection. The masking foil on the UV-coated side helps to prevent scratches and simplifies the handling process of this museum-grade product. We recommend AR 99 WW glazing as a valuable upgrade for your museum, gallery, as well as everyday framing customers.

ARTGLASS LIFETIME ACRYLIC

Artglass Lifetime Acrylic is a next-level acrylic glazing product for the picture framing industry, designed for the most precious artworks and memorabilia. This anti-static and shatter-resistant product significantly reduces reflections, as well as provides up to 100% protection from the harmful UV rays. Choose our durable Artglass Lifetime Acrylic for framing artworks that require less weight and supreme clarity, combined with maximum physical protection.

ARTGLASS AR 92

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

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

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 99

Artglass 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 WW	Artglass Lifetime Acrylic	Artglass AR 92	Artglass AR 70	Artglass AR 99 Protect	Artglass 99
 Visible Light Transmittance 380-780nm, according to EN410	≥ 97,5 %	≥ 98 %	≥ 98 %	≥ 98,3 %	~97,5 %	≥ 89 %
 Visible Light Reflection at 8° angle 380-780nm, according to EN410	≤ 1,0 %	≤ 1,1 %	≤ 1,2 %	≤ 1,0 %	≤ 1,0 %	~ 8,0 %
 UV-light transmission 280-380nm, according to EN410	~ 1 % 99% UV protection	< 1 % Up to 100% 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	2	1
 Reflection Color	Neutral Green	Neutral Green	Neutral Blue	Neutral Green	Neutral Green	None
 Glass Substrate Type	Low Iron	Hard coated acrylic	Low Iron	Low Iron	Laminated Low Iron	Float
 Glass substrate Thickness, mm	2	3 / 4.5 / 6	2	2	4.4-13.5	2

* UV protection calculated as the weighted average

MECHANICAL AND CHEMICAL PROPERTIES

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

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

TECHNICAL INFORMATION – GLASS PRODUCTS

Standard packaging for Picture Framing glass 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 x 43			
	800 x 1200	31 x 47			
	914 x 1219	36 x 48			
	1000 x 1600	39 x 63			
	1016 x 1524	40 x 60			
	1100 x 1600	43 x 63			
	1200 x 1600	47 x 63	2		
	1219 x 1727	48 x 68			

For other packing options for glass products or net sheet sizes, contact **sales@groglass.com**
Information about Storage, Handling, Washing etc. can be found in our **Handling and Cleaning Guidelines**

TECHNICAL INFORMATION – ARTGLASS LIFETIME ACRYLIC

The size of the stock sheet (net size) is 1490 x 1930 mm (56.7" x 76"). All sheets are masked from both sides to protect the product through processing steps. For packaging options, quantities and other characteristics, contact **sales@groglass.com**.