

ID No	Version	Confirmation date
SPEC.P.04-08	1	02.12.2020

Artglass Picture Framing

Technical specification

ArtGlass™ Picture Framing glass is premium product for framing professionals. Artglass consists of several products, for necessary niche and application:

- **Artglass AR 99** is the highest performance anti-reflective glass with 99% UV protection. The “invisible” glass ensures neutral reflection color and helps prevent the treasured keepsake from fading. Artglass™ ranks the highest in the market of anti-reflective glass and now its successor Artglass AR 99™ combines superb clarity with the best possible UV protection highly valued among industry professionals and museums. Preserve the true color, texture and beauty of framed artwork.
- **Artglass AR 70** reveals true colors and texture of the art. Thanks to its anti-reflective coating, which reduces unwanted reflections to less than 1%, nothing will prevent one from viewing the actual content of the framed item. Moreover Artglass AR 70™ has a smooth surface that allows for details to emerge unaltered.
- **Artglass AR 92** is used to achieve an outstanding clarity with its capability to transmit ~98 % of light and to gain a conservation grade UV protection* of ~92%. Artglass AR 92™ will make you forget about green tint and optical distortion. Moreover, the anti-reflective coating reduces unwanted reflections to less than 1%, in the meantime it is scratch resistant and very easy to clean.
- **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;
- **Artglass AR 99 Protect** is the highest quality, virtually invisible laminated glass. It offers the highest UV protection and is a physical safety solution. In case of breakage, Sapphire AR 99 Protect™ remains attached to the laminating foil.

Optical properties

Optical performance (annex 1) and additional information of products are described below:

	Artglass AR 99	Artglass AR 70	Artglass AR 92	Artglass AR 92 Protect	Artglass UV 99
Visible Light Transmittance (380-780nm, according to EN410)	≥ 96,5 %	≥ 94,5 %	≥ 98,0 %	~97,5 %	≥ 89,0 %
Visible Light Reflection at 8° angle (380-780nm, according to EN410)	≤ 1,0 %	≤ 1,0 %	≤ 1,2 %	≤ 1,0 %	~ 8,0 %
UV-light transmission (280-380nm, according to EN410)	~ 1 % (99% UV protection)	< 30 % (> 70% UV protection)	~ 8 % * (~ 92 UV protection *)	<1 % (Up to 100% UV)	~ 1 % (99% UV protection)
Coated sides	2	2	2	2	1
Reflection Color (see graphs below)	Green	Green / Blue	Blue	Neutral green	None
Glass Substrate Type	Low Iron	Low Iron	Float	Laminated Low Iron	Float
Glass substrate Thickness, mm	2-3	2-3	2-3	2-3	2-3

* UV protection calculated as 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 atleast 97 % UV protection. The 99% conservation-level UV block is certified by National Physical Laboratory in UK according to EN 410.