

ARTGLASS PRODUCT QUALITY AND DURABILITY TESTING

What is tested?	Evaluation criteria	Result description	Applicable products	Performance
Optical performance	Light reflection (380-780 nm, according to EN410)	1,0% – 1,2%	All products (except Artglass UV 99)	According to product technical specifications
	Visible light transmission (380-780 nm, according to EN410)	97,5% – 98,3%		
Abrasion resistance	Hardness according to MIL-M13508C	No evidence of damage and/or delamination	All products	PASS
	According to EN 1096-2	Abraded area is uniform		
Humidity resistance	Humidity according to MIL-C-48497A + Hardness according to MIL-M13508C	No evidence of damage and/or delamination	All products	PASS
Coating adhesion	According to ISO 2409 / MIL-C-48497A	Grade 5B resistance, no delamination		
Corrosion resistance	ASTM B117	No evidence of damage and/or delamination	All products	PASS
Solubility	Salt solubility according to MIL-C-48497A	No evidence of damage and/or delamination	All products	PASS
	Water solubility according to MIL-C-48497A	No evidence of damage and/or delamination		
Photographic activity test	ISO 18916	No damage to processed or printed imaging materials over time.	All products	PASS
UV protection (according to EN 410 280-380 nm)	ISO 18902	Passes the standard by providing at least 97% UV protection	Artglass AR 99 Water White Artglass Lifetime Acrylic Artglass AR 99 Protect Artglass UV 99	PASS
REACH & RoHS	Compliance to standard requirements	Product does not contain hazardous materials	All products	PASS