



Automotive
Solar Mirrors
Technical Glass



FLABEG ARTControl®
Perfect protection is invisible



Quality in perfection

FLABEG ARTControl® offers a frame to suit valuable works of art. The refined glass shows off paintings and photographs faithfully in all their true glory.

With no falsification of colors or dulling of the overall effect. As a result, perfect protection for your works of art is guaranteed, even for decades to come.

High-tech writes history

The special characteristics of **FLABEG ARTControl®** are the result of many years of intensive research and development.

In fact, **FLABEG's** approach right from the outset has been to feed innovative ideas into concrete solutions made of glass. For the protection of valuable works of art – with the **FLABEG ARTControl®** brand – but also for revolutionary products in the automotive field, in solar-thermal power plants, and for industrial applications. Experience, expertise, and an unconditional will to work systematically on rendering what is good even better all enabled **FLABEG** to become one of the most technologically advanced companies in glass finishing. And it intends to continue leading the way. Today and in the future.



FLABEG ARTControl®

Persuasive advantages at a glance

Minimal reflection

FLABEG ARTControl® is optical-interference anti-reflective glass. It reduces the reflections caused by light that you find with normal picture glass to no more than 0.6 %, which means that you can hardly see them. As a result, the work of art is shown to full advantage with zero distortion.

Transparency

FLABEG ARTControl® anti-reflective glass features outstanding light transmission in excess of 97.5 % or 98 %, depending on the product design. The observer has the impression that there is no glass there.

UV protection

UV light, in particular, can damage works of art quite considerably. **FLABEG ARTControl®** affords reliable protection here, too: the anti-reflection coatings applied using the magnetron sputtering method block up to 92 % of harmful UV radiation, or even almost 100% in the case of laminated safety glass.

Safety

In terms of safety, too, **FLABEG ARTControl®** makes no compromises. The laminated safety glass of **FLABEG ARTControl® UV 100** combines splinter protection with the highest standards of UV protection and color stability.

	Floatglass	FLABEG ARTControl® UV 45	FLABEG ARTControl® UV 60	FLABEG ARTControl® UV 90	FLABEG ARTControl® UV 100
Degree of reflection	ca. 8 %	0,6 % ± 0,2 %	1,3 % ± 0,2 %	0,6 % ± 0,2 %	1,0 % ± 0,2 %
Degree of transmission	ca. 91 %	> 98 %	> 97,5 %	> 98 %	> 98 %
Perceived color rendering	altered	authentic	authentic	authentic	authentic
Splinter protection	no	no	no	no	yes
UV protection (300nm to 380nm)	ca. 44 %	> 45 %	60 % ± 3 %	92 % ± 2 %	100 % + 0 % / - 2 %

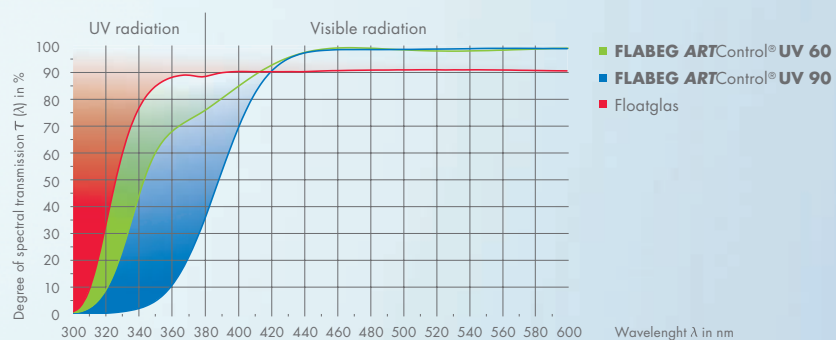
FLABEG ARTControl® comes in four different qualities – tailored to your requirements. All in one: **FLABEG ARTControl®** protects works of art with a system – perfect!



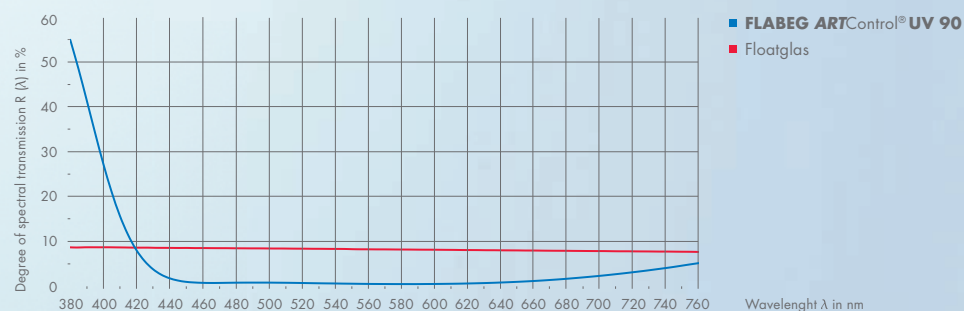
UNIVERSITÄT
BAYREUTH

Verified by the
University of Bayreuth!

Curves of UV transmission



Reflection curve in the visible spectral range



Product range

	FLABEG ARTControl® UV 45	FLABEG ARTControl® UV 60	FLABEG ARTControl® UV 90	FLABEG ARTControl® UV 100
Thickness (mm)	2 ± 0,2	2 ± 0,2	2 ± 0,2	2 / 0,38 / 2
Dimensions (mm) ¹	1800 x 1340	1800 x 1340	1800 x 1340	1800 x 1340
Box contents (m ²)	ca. 48	ca. 48	ca. 48	ca. 24
Box contents (qty)	20	20	20	10
Carton contents (optional - qty)	4	4	4	2

¹ Except for FLABEG ART Control® UV 100, dimensions 1340 x 880 mm also possible
Available in float glass and extra-white float glass



Global expertise



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