



artglass

UV Protective glass

PROTECT WHAT'S IMPORTANT!

About Artglass

Artglass professional glass for picture framing ensures that millions of people can enjoy their favorite art, photos and memorabilia, well protected and proudly displayed behind our invisible glass. Artglass is a high-quality anti-reflective and UV protective glazing manufacturer, and the #1 supplier of anti-reflective glass in Europe.

From Rijksmuseum in Amsterdam to the Forbidden City Museum in Beijing, the world's leading museums trust Artglass to preserve and display their most cherished collections.



Artglass guide to UV protection

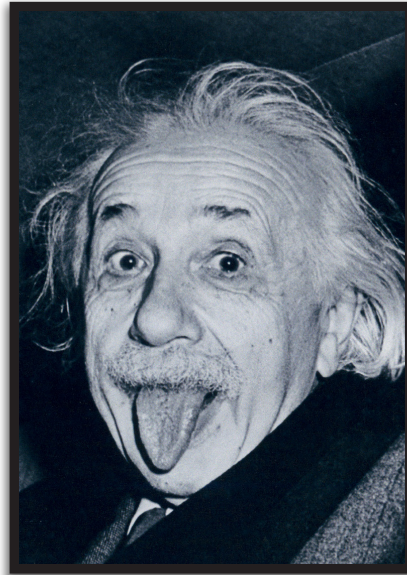
This material is designed to help you understand the effects of UV light on artworks, as well as the choices you have for protecting beloved images from deterioration.

Information on UV-protective glass can help protect your treasured artworks and save you from expensive restoration treatments in the future.

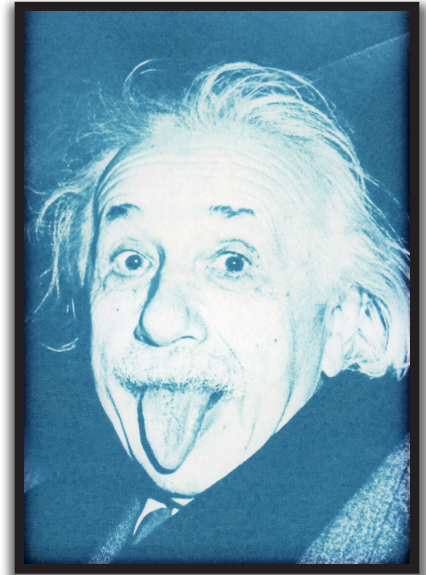
Did you know?



Regular glass will not protect your artworks against fading, yellowing, or structural damages caused by sunlight exposure.



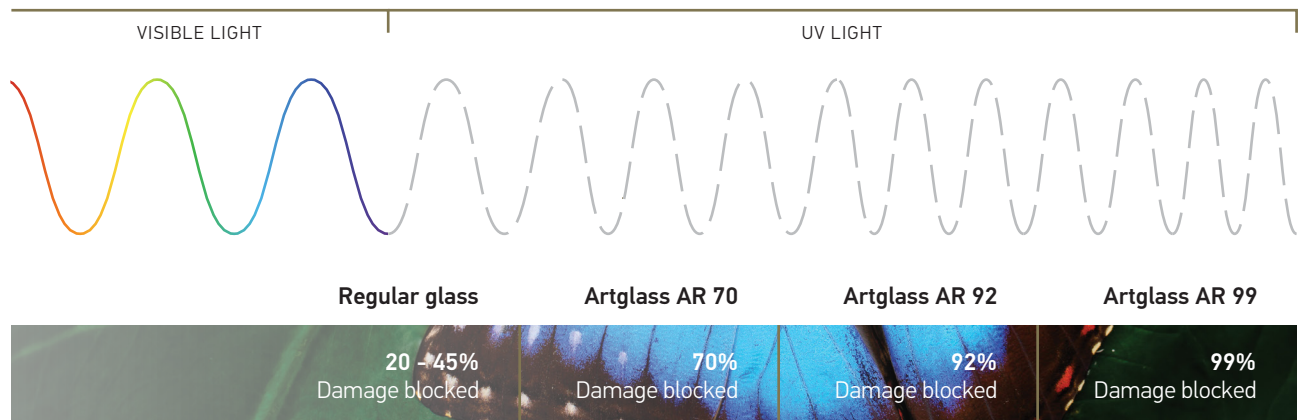
ORIGINAL IMAGE



AFTER 1 YEAR of exposure in direct sunlight

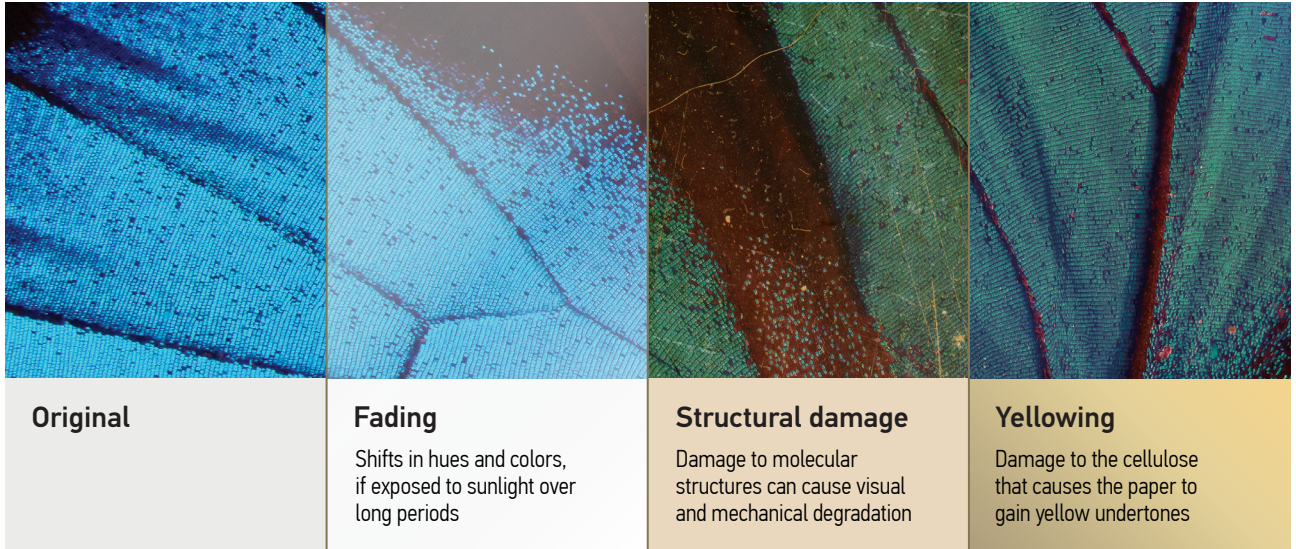
UV light damage

Ultraviolet light, like all other lightwaves, comes from the sun. It exists everywhere where there is sunlight and causes damage to our skin, materials, and artworks. **UV light has shorter wavelengths** and is packed with much more energy, **which means a more potential negative impact on the artwork.**



What's the risk?

Even low levels of UV radiation cause damage if long-term exposure is allowed.



While burned skin cells can regenerate over time, artwork damage **accumulates** and is **expensive to properly restore**.

Regular glass

Depending on the thickness and type, uncoated regular glass lets through 55 - 80% of the UV light.



20 - 45% UV blocked

Artglass

Glass coatings act as protective barriers – limiting the amount of UV light that reaches the artwork.



70 - 99% UV blocked

Would you like your picture to last forever?

Images placed behind regular glass and Artglass in direct sunlight for 1 year.

Regular glass



Artglass AR 99

Near invisible conservation-grade protection



Artglass AR 92

Clarity, ease of handling and UV protection



Artglass AR 70

Basic UV protection with maximum clarity



Recommended for

Regular glass

Artglass AR 99



Standard for museums, galleries and artworks or memorabilia that can't be reproduced. Certified for conservation-grade protection.

Artglass AR 92

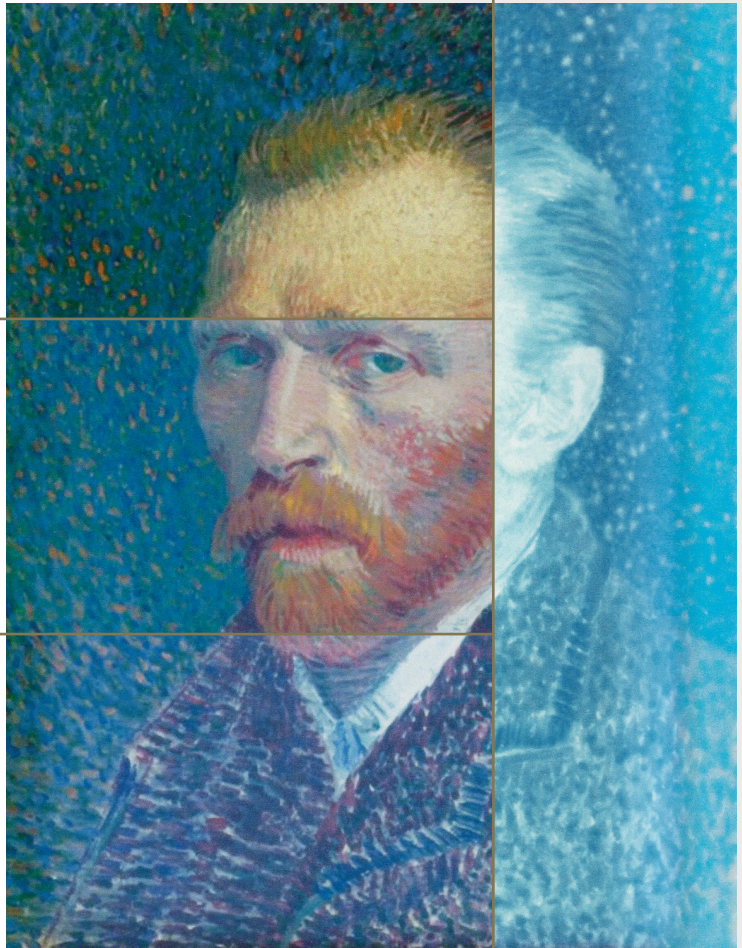


Recommended for framing that requires moderate UV protection and superb invisibility.

Artglass AR 70



Suitable for reproducible artworks displayed in environments with minimal UV exposure.



About the test

To measure the damage caused by the sunlight, we conducted an experiment. Printed images were placed behind Artglass and regular glass samples in an environment with high UV exposure. We used Q-UV Accelerated Weathering Tester (JVA-340 Lamps), with UV exposure measured at 13 w/m². The results are documented before UV exposure and after 1174 hours, which is equivalent to approximately 1 year of constant exposure to direct sunlight.

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