

**SCHOTT**  
glass made of ideas

**MIROGARD®**

anti-reflective glass  
for art glazing



1870-1880  
The first glass factory in the world  
in the city of Schott

1880-1890  
The first glass factory in the world  
in the city of Schott

1890-1900  
The first glass factory in the world  
in the city of Schott

1900-1910  
The first glass factory in the world  
in the city of Schott

1910-1920  
The first glass factory in the world  
in the city of Schott

SCHOTT is an international technology group with more than 125 years of experience in the areas of specialty glasses and materials and advanced technologies. With our high-quality products and intelligent solutions, we contribute to our customers' success and make SCHOTT part of everyone's life.

SCHOTT works closely with architects and designers to extend the boundaries of design and create new opportunities for building culture – in terms of design and space, indoors and outdoors, for solar power and fire protection, aesthetics and functionality – sustainable and custom tailored. That's what makes SCHOTT a qualified partner for architecture and design.

SCHOTT MIROGARD® is an anti-reflective, completely transparent glass for use in glazing pictures. It is available in two versions: MIROGARD® PLUS and MIROGARD® PROTECT, which also features enhanced UV protection. It minimizes reflections to less than one percent and provides artlovers with an experience of the work that is true to the original. The ideal invisible protection – for Old Masters and young talents alike.



## Masterful picture glazing

### Low in reflection, true in color, invisible

Museums, collections and galleries all over the world have been relying on SCHOTT MIROGARD® anti-reflective glass for decades. This practically invisible glass features an anti-reflective optical interference coating that protects valuable works of art without disturbing the pleasure of looking at them.

Conventional glass reflects approximately eight percent of incident light, creating undesirable reflections. MIROGARD® anti-reflective glass reduces visible spectrum reflections to under one percent, giving viewers an unobstructed view of the artwork. MIROGARD® anti-reflective glass is also completely neutral in color, which means the brilliance of the glazed artwork remains true to the original and is rendered in its natural colors.

#### UV protection made to order

MIROGARD® anti-reflective glass also protects paintings, graphics and prints from the destructive effects of UV radiation. 48 percent of the UV radiation in wavelengths from 300 to 380 nanometers is absorbed and scattered. This means MIROGARD® anti-reflective glass already offers better protection than other art glazing products, even in its standard version. Extremely sensitive artworks can be displayed with MIROGARD® PLUS and MIROGARD® Protect, giving them added protection that absorbs or reflects up to 99 percent of UV radiation.

#### High-tech manufacturing

MIROGARD® anti-reflective glass is dip coated using the sol-gel process. The entire production process takes place in clean room conditions. Multiple titanium dioxide and silicon dioxide layers are applied one after another with nanometer accuracy and then burned in at a temperature of 450 degrees Celsius. The result is a high-tech, anti-reflective art glass of the highest quality with a surface that is extremely stable and easy to clean.

#### MIROGARD®

- > Anti-reflective to the highest extent possible
- > Less than 1 % residual reflection
- > Highly transparent
- > 99 % light transmission
- > Durable
- > Easy to clean
- > Product variations MIROGARD® PLUS and MIROGARD® PROTECT are available for higher UV protection.

Left: MIROGARD® anti-reflective glass in the Ciurlionis Museum in Lithuania

Right: Various graphic works from Pablo Picasso's art books from the exhibition "Picasso Art Books" at the Museum Brandhorst, Munich © Succession Picasso/VG Bild-Kunst, Bonn 2011





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Black-and-white photography displayed with minimal reflections and UV protected by MIROGARD® anti-reflective glass in a living room.

## SCHOTT MIROGARD®

### Proven and innovative

Ever since its introduction in the 1970s, MIROGARD® anti-reflective glass has been under continuous improvement. Just recently, for example, SCHOTT further optimized the color shade to achieve even less residual reflection. With MIROGARD®, SCHOTT have carefully looked at how reflection can be handled at best through extensive research conducted by experts in the field. They have further developed the coating to manage the residual reflection, which can be seen from certain angles, to show a color that does not detract from the object. SCHOTT develop perfectly tailored solutions for all of your art glazing needs.

Please contact us.

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