

# GUARDIAN INSPIRATION™ NG, UV, UV/NG



## Glass products for picture framing



With its INSPIRATION™ products, Guardian Industries opens a new dimension for picture-framing glass. Not only does Guardian float glass stand for the highest optical clarity and flatness, but a number of high-quality surface treatments also reduce the disturbing light reflection and stop the harmful UV-rays.

These new glass products of Guardian Industries help you take more pleasure in your framed objects and preserve them for many, many years !



## Float production

As a world leader in float glass production, Guardian guarantees the best available quality for its 2 mm float: high clarity, perfect flatness, consistency, absence of optical distortion.

High-quality materials, including a large proportion of sand, are melted together at about 1500°C. The molten glass is then purified and stabilised, before it is allowed to "float" onto a bath of molten tin, which gives it its perfect characteristics.



INSPIRATION™ NG 2-FACES	INSPIRATION™ NG 1-FACE	INSPIRATION™ UV	INSPIRATION™ UV/NG
2 mm float with non-glare treatment on both sides	2 mm float with non-glare treatment on 1 side	2 mm float with UV-blocking coating	2 mm float with UV-blocking coating and non-glare effect
Reduces disturbing glare of light, ideal for frames exposed to direct/strong lighting	Product works in shadow boxes and with multiple mats.  Reduces glare of light, while maintaining good clarity/definition, recommended for frames exposed to normal lighting	No roll marks Clear finish  Stops 98 % of harmful UV-rays (300-380 nm), Plastic film protecting the coated surface	Product works in shadow boxes and with multiple mats  Reduces glare of light and stops 98 % of harmful UV-rays, Plastic film protecting the coated surface
Install without differentiating the two sides	Install the etched side facing away from the artwork	Remove plastic film and install coated side (where film was) facing the artwork	Remove plastic film and install coated side (where film was) facing the artwork

Left: ordinary glass with  
disturbing reflection  
Right: INSPIRATION™ NG glass  
is almost invisible



### Non-glare treatment

The INSPIRATION™ NG products receive a non-glare treatment on one side or on both sides of the glass. The etching process eliminates most of the annoying light reflection, and the glass has such a fine grain that, after mounting into the frame, you really believe "there is no glass"! Treatment on both sides works best for frames exposed to strong lighting. Treatment on one side maintains a higher clarity and allows the use of up to 4 mats.





Left: ordinary glass has allowed colours to fade  
Right: UV-blocking glass preserves colours and materials.



### UV-blocking coating

Active elements are deposited on one side of the glass to block 98% of the UV-rays comprised between 300 and 380 nanometers, which cause colors to fade and materials to degrade. The coating cannot be seen and does not affect the transmission of visible light, thus maintaining high clarity. Being chemically inert, it will not degas and/or react with any material. It can be washed with common cleaners.



### Protective plastic film

The UV-blocking layer is covered by a plastic film. This film protects the coated side from scratches during packing, transport, storage, cutting and handling. It is only removed when mounting the final piece of glass into the frame. It indicates which side of the glass is coated, thus avoiding mounting mistakes. Thanks to this plastic film, INSPIRATION™ UV and INSPIRATION™ UV/NG are also easier and safer to manipulate.



## Handling/cutting/mounting

2 mm float and INSPIRATION™ NG can be handled like any type of glass, taking the usual precautions to avoid injuries and scratches and ensuring nice glass edge. INSPIRATION™ 1-FACE NG is to be installed with the etched side facing away from the artwork.

INSPIRATION™ UV and INSPIRATION™ UV/NG: cut through the plastic film to score the glass, and apply slightly more pressure than with clear glass. Leave the protective film until ready to mount into the frame. Install the glass with the coated side (side from which the plastic was removed) facing the artwork. Both sides can be cleaned with a non-abrasive household cleaning agent and a soft lint-free cloth.

## Dimensions and packaging

Float 2 mm and INSPIRATION™ NG are available in a number of standard dimensions, ranging from 1600 x 600 till 1600 x 2400 mm.

INSPIRATION™ UV and INSPIRATION™ UV/NG are available in 1-ton packs of following standard sizes:

Size in millimeters	Size in inches	Lites per pack
1016 x 1524 mm	40 x 60 "	120
914 x 1219 mm	36 x 48 "	170

Other sizes are available upon request.

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