

TIMELESS

LESS TIME IN CLEANING,
TIMELESS IN BRILLIANCE



TIMELESS

LASTING TRANSPARENCY,
EASIER TO CLEAN

ADVANTAGES

High degree of transparency and neutral appearance:

TIMELESS consists of a very clear glass, sGG PLANICLEAR, to which a virtually invisible coating is applied. TIMELESS is therefore very transparent and does not alter colour perception, irrespective of the thickness of the glass.

An anti-corrosion effect for a lasting transparency:

Day in, day out, the glass is protected against corrosion. It does not become whitish and maintains its attractive appearance.

Easier to clean glass:

Water slips over the surface of the glass, which limits limescale deposits and marks. Any residual marks clean off more easily than on non-treated glass.

High-durability treatment:

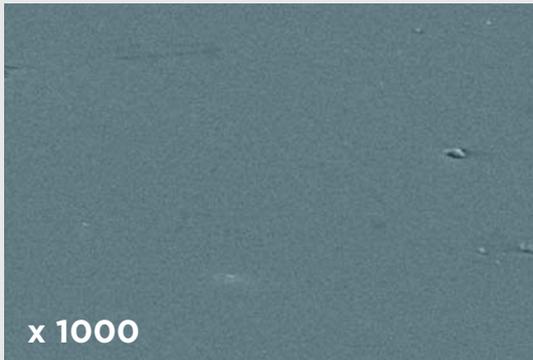
TIMELESS is obtained by magnetron deposition of a coating of metal oxides. This treatment lasts over time without losing its effectiveness, and can withstand all types of industrial processing (patents pending).



ANTI-CORROSION: TRANSPARENCY GUARANTEED

TIMELESS

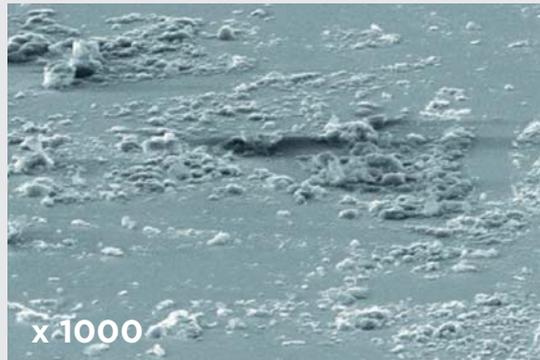
The surface of TIMELESS is permanently protected by an innovative coating of metal oxides applied in the factory. The glass does not whiten, it remains transparent. Limescale and dirt do not adhere on the glass that is easier to clean than non-treated glass.



Magnified image of TIMELESS shower glass that has been in daily use: no rough patches visible.

Non-treated glass

Despite regular cleaning, glass in showers loses its shine over time. Small, whitish rough patches appear on the surface of the glass, which attract limescale and dirt.



Magnified image of ordinary shower glass that has been in daily use: visible rough patches.

APPLICATION

TIMELESS is designed for applications in showers. It can be used in shower screens, shower cubicles or bath screens.

RANGE

TIMELESS is available on clear glass in 4, 6, 8 and 10 mm thicknesses.

Tolerance on thicknesses:

±0.2 in 4 and 6 mm,
±0.3 in 8 and 10 mm

Standard dimensions:

3210 x 6000 mm (other dimensions:
please contact SAINT-GOBAIN GLASS)



TIMELESS

INNOVATION



WATER RUNS DOWN THE GLASS IMMEDIATELY

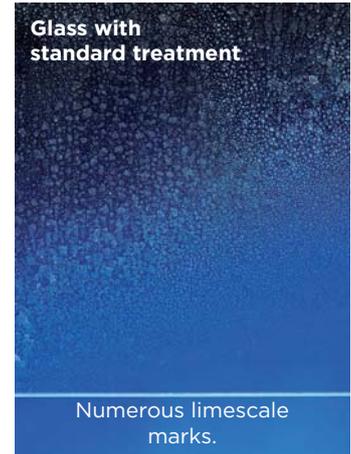
When showering, the water can be seen running down the glass quickly.



COMPARATIVE LIMESCALE DEPOSIT TEST

Water runs down TIMELESS quickly, leaving very few limescale marks, unlike most existing treatments.

Accelerated limescale deposit test: Glass sprayed with hot water for 30 seconds every 2 hours for 14 days



COMPARATIVE CLEANING TEST

With TIMELESS cleaning is quick and easy. After showering, the squeegee glides over the glass. Dry cleaning is made easier.

Limescale and soap are easier to clean off.

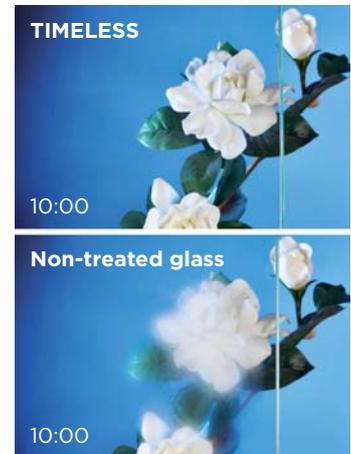
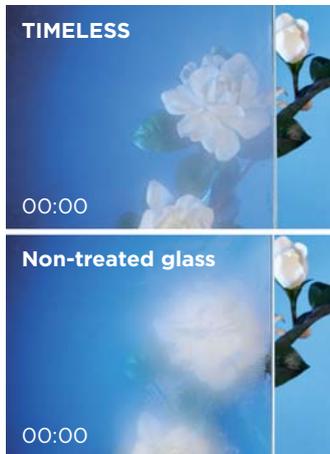


COMPARATIVE ANTI-STEAM TEST

TIMELESS recovers its initial transparency very quickly. Condensation evaporates faster than on non-treated glass.

- TIMELESS:
- 1) Reduced condensation on the glass.
 - 2) Condensation evaporates quickly.

- Non-treated glass:
- 1) High levels of condensation.
 - 2) Condensation evaporates slowly.



COMPARATIVE ANTI-CORROSION TEST

TIMELESS resists corrosion. Shower after shower, it remains transparent.

Accelerated ageing test: Exposure in hot (temperature: 50°C) and damp (humidity: 95%) environment for 14 days



FACTORY PROCESSING

TIMELESS is a glass treated on one face. It is a « to be tempered » product: tempering is mandatory in order to obtain its final properties.

The TIMELESS coating is virtually invisible. To identify the treated face of the glass, it is recommended to identify the tin side of the glass (using a detector or UV lamp). TIMELESS treatment is always deposited on the face opposite the tin side (on the atmosphere face). So as to identify the two sides of the glass, it is advisable to apply a semiadhesive sticker on the tin side of the glass (non-treated face).

The product can withstand the main types of glass processing under the conditions generally used for float glass.

TIMELESS can be cut, edgeworked and toughened.

It can also be curved with radii up to 1 meter (tests must be carried out for smaller radii).

TIMELESS can be screen-printed on either face.

It can be laminated, provided that the glass has been toughened first and that the coating is on the exterior.

For every processing stage, it is advisable to use clean tools and materials so as to avoid scratching the coating. The glass must be dried carefully during each processing stage to avoid possible residual marks that may become permanent after toughening.

(For more information, please consult « TIMELESS Processing Guidelines »)



REGULATIONS

TIMELESS complies with the following standards:

- EN 14428 : « Shower enclosures - Functional requirements and test methods ».
- EN 1096 (class A) : « Glass in building – Coated glass ».

OPTICAL PROPERTIES

The TIMELESS coating is not tinted or reflective: its appearance is similar to that of clear glass.

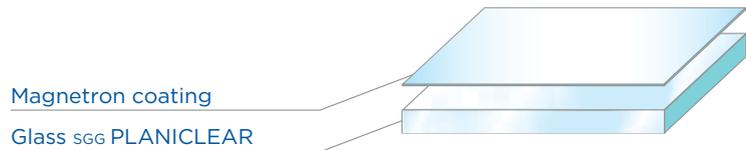
TIMELESS

Thickness	Light transmittance	Light reflectance (glass side / coating side)
4 mm	89%	10%
6 mm	89%	10%
8 mm	89%	10%
10 mm	88%	10%

* Measured values according to standard EN410

MANUFACTURING PRINCIPLE

TIMELESS is obtained by magnetron deposition of a highly resistant coating of metal oxides using an expert industrial process.



INSTALLATION

The glass has to be installed with the TIMELESS coating inside the shower enclosure. TIMELESS can be installed in the same way as any other shower glass of the same thickness. In all cases, the installation must comply with current safety standards and regulations.

(For more information, please consult « TIMELESS Usage instructions »).



Magnetron line

MAINTENANCE

TIMELESS must be cleaned regularly. It can be cleaned with a soft cloth and water or with a squeegee. Cleaning products usually used for cleaning shower glass are authorized. Do not use cleaning products containing abrasive particles nor abrasive tools. (For more information, please consult « TIMELESS Usage instructions »).



WARRANTY

The shower glass **TIMELESS** is warranted **Anti-Corrosion to the Initial Purchaser for a period of 10 years** after first delivery under normal conditions of use and subject to the processing, handling, maintenance guidelines and recommendations for use of Saint-Gobain Glass.

Anti-Corrosion means that TIMELESS glass, used in such conditions, will not present a homogeneous whitish surface measured by an average Haze** across the coated side over 5%.



This warranty does not apply:

- if the glass is altered, damaged by accident, improperly used or by other causes external to the glass, or if used improperly;
- if the glass has not been specified, transported, stored, handled, installed, assembled, cleaned, used or maintained in accordance with the instructions given on the documentation and at www.saintgobain-glass.com;
- after expiry of the warranty period for the initial glass.

WARRANTY LIMITATIONS:

This warranty covers only the replacement of TIMELESS glass or refund of the difference between the initial selling price and the selling price of a non-coated glass, at Saint-Gobain Glass's sole option.

In case of replacement, the replacement glass will be delivered to the delivery address of the Initial Purchaser.

This warranty does not cover scratches, breakage, cracks, or any incidental or consequential damages, nor the costs for removal and refitting of the glass.

It is non-transferable and non-assignable.

This warranty does not preclude the legal warranties.

* Initial Purchaser: Saint-Gobain Glass customer

** Haze is defined by the ratio of diffuse transmitted light to total transmitted light (diffuse + specular) according to ASTM D1003 - 11e1




SAINT-GOBAIN

bgp@saint-gobain.com

www.saint-gobain-glass.pl