TIMELESS
ANTI-CORROSION GLASS
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DESCRIPTION
High degree of transparency and neutral appearance
Timeless consists of a very clear glass, 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, so that 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).

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)

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.

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 Timeless shower glass that has been in daily use: no rough patches visible

Magnified image of ordinary shower glass that has been in daily use: visible rough patches
When showering, the water can be seen running down the glass quickly.

**COMPARATIVE ANTI-CORROSION TEST**

**Timeless** resists corrosion. Shower after shower, it remains transparent.

- No corrosion, the glass remains transparent.
- High degree of corrosion, white haze on the glass.

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

**COMPARATIVE LIMESCALE DEPOSIT TEST**

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

- Few limescale marks.
- Numerous limescale marks.

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

**COMPARATIVE ANTI-STEAM TEST**

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

- Reduced condensation on the glass.
- Condensation evaporates quickly.
- High levels of condensation.
- Condensation evaporates slowly.

**COMPARATIVE CLEANING TEST**

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

- Easier to clean.
- Harder to clean.

Limewax and soap are easier to clean off.
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 semi-adhesive 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, opedworked 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”)

OPTICAL PROPERTIES

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

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”.

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”)

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 an 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.

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 D1003-71

TIMELESS

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Light transmittance</th>
<th>Light reflectance (Glass Side / Coating Side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 mm</td>
<td>89%</td>
<td>10%</td>
</tr>
<tr>
<td>6 mm</td>
<td>89%</td>
<td>10%</td>
</tr>
<tr>
<td>8 mm</td>
<td>89%</td>
<td>10%</td>
</tr>
<tr>
<td>10 mm</td>
<td>88%</td>
<td>10%</td>
</tr>
</tbody>
</table>

*Measured values according to standard EN410
OUR SUSTAINABILITY JOURNEY

OUR MISSION IS TO CREATE GREAT LIVING PLACES AND IMPROVE DAILY LIFE, WHILE PRESERVING THE FUTURE OF ALL

This commitment is driven by our Glass Forever program, with the help of all our stakeholders: employees, customers, partners, suppliers…

From small seeds to big rivers, our vision is to grow our business and to differentiate, while improving our environmental footprint and increasing our contribution to people’s well-being.