

Technical Data Sheet

PAT023

10 mm
Clear
Pattern Glass



About Us

Since 2012, Touch Of Glass has been dedicated to crafting artistic and decorative glasses, setting new standards in interior design across the United Arab Emirates. Our forte lies in achieving excellence, driven by continuously expanding manufacturing capabilities and a collaborative approach with the industry's most revered names. By embracing cutting-edge technology, we aim to redefine innovation in glass products, making Touch Of Glass synonymous with unparalleled sophistication and creativity.

Our Values



Artistic
Precision



Collaborative
Innovation



Technological
Excellence

Introduction to Patterned Float Glass

Patterned Glass, also known as textured or figured glass, is a type of decorative glass widely used in architecture and interior design. It combines the benefits of float glass manufacturing with the aesthetic and functional advantages of patterned surfaces.

What is Patterned Float Glass?

Patterned float glass is a translucent glass that features a decorative texture or design imprinted on one face of the glass. The patterns create a unique appearance and alter the way light passes through the glass, offering privacy while still allowing natural light to diffuse.

How is Patterned Float Glass Made?

1. Float Glass Process:

The glass is made using the float glass process, where molten glass is floated on a bed of molten tin to produce a perfectly flat and uniform surface.

2. Patterning:

While the glass is still molten, it passes between rollers that have the desired pattern engraved onto them. These rollers imprint the texture onto the glass before it hardens.

Key Features and Benefits

Aesthetic Appeal:

Available in various patterns, textures, and finishes, patterned float glass enhances visual appeal and complements architectural designs.

Privacy:

Ideal for spaces that require a balance of light transmission and privacy, such as bathrooms, offices, and meeting rooms.

Versatility:

It can be used in a wide range of applications, including windows, doors, partitions, shower enclosures, and decorative elements.

Light Diffusion:

The patterns scatter light, reducing glare and creating soft, diffused illumination.

Applications of Patterned Float Glass:

Residential: Bathrooms, kitchens, and interior partitions.

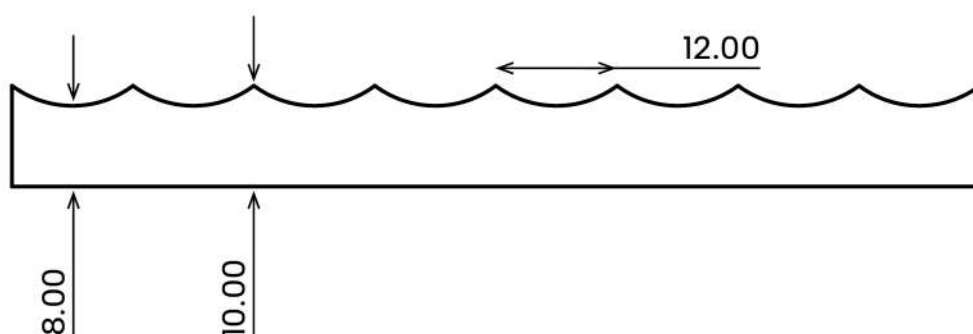
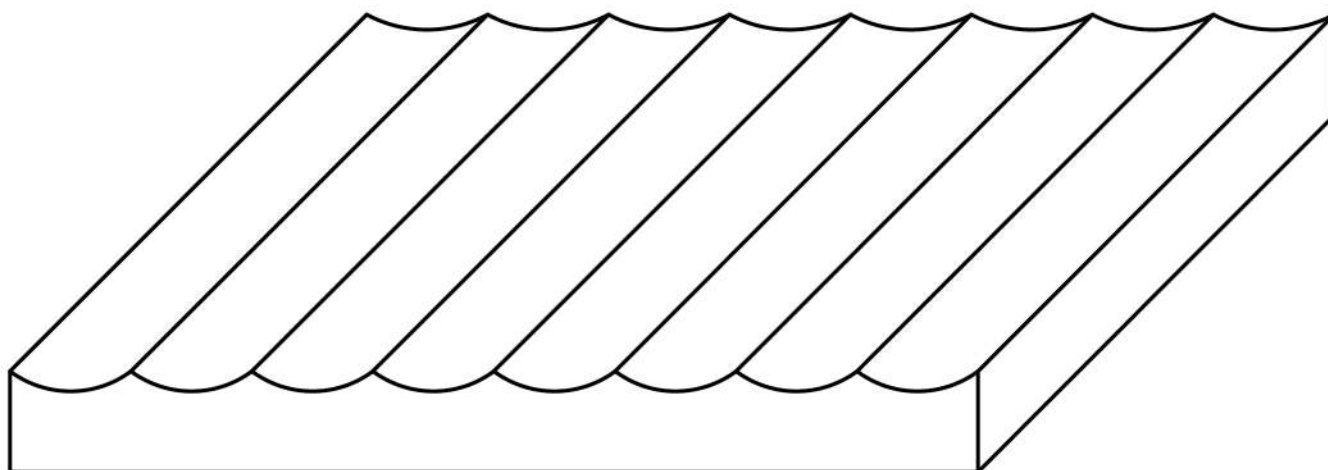
Commercial: Office partitions, retail displays, and shopfronts.

Industrial: Windows and skylights in factories where privacy or glare control is needed.

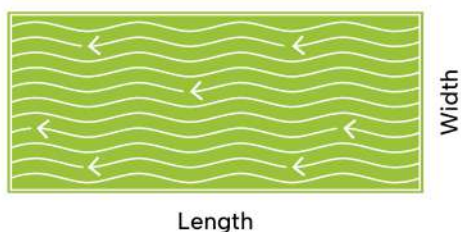
Decorative: Furniture, balustrades, and art installations.

This blend of functionality and aesthetics has made patterned float glass a popular choice for modern architecture and interior design. It's a versatile material that balances beauty with practicality.

PAT023



Pattern Direction





Product image is for illustration purpose only.
We recommend you request for a physical sample before proceeding with order.

TDS Information

General Information

Code	PAT023	Warranty	5 years*
Thickness	10.00	Light Transmittance	Medium
Glass Type	Clear	Privacy	Low
Origin	China	*Refer to warranty document for details	

General Properties of Float Glass

Main components of float glass are as follows:

SiO ₂ : 69 to 74 %	Na ₂ O: 10 to 16 %	CaO: 5 to 14 %
MgO: 0 to 6 %	Al ₂ O ₃ : 0 to 3 %	Others: 0 to 5 %

Weight: 2400 – 2500 kg/m³

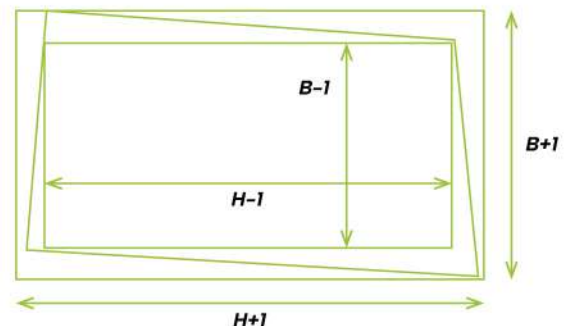
Recycled Content:

Pre-consumer up-to 8%
Post-consumer 0%

Tolerance in Dimensions

Nominal Thickness	Minimum	Maximum
10.0 mm	9.80 mm	10.10 mm

The actual thickness is the average of measurements, taken to the nearest 0.01 mm, taken at the center of each side. The actual thickness rounded to the nearest 0.1 mm shall not vary from the nominal thickness by more than the tolerances shown below.



Standard Sheet Sizes

Available on request

Length and Width

Tolerances $t \pm 2$ mm on nominal dimensions length H and width B
Tolerance $t \pm 5$ mm on square-ness – difference between diagonals

Processes

Tempering	Lamination	Holes & Cut outs
Yes	Yes	Yes When Tempered

Tempering: Glass is expected to bend/bow/warp due to temper

Decorative Processes

1. Back-painting / 2. Lamination using decorative fabrics / 3. Bending / 4. Sandblasting

Alternate Thickness & Finishes

Extra Clear Glass



5.00 mm - PAT002
6.00 mm - PAT051
8.00 mm - PAT011
10.00 mm - PAT022
12.00 mm - PAT040

Clear Glass



4.00 mm - PAT025
5.00 mm - PAT021
8.00 mm - PAT003
12.00 mm - PAT065

Grey Tinted Glass



5.00 mm - PAT042
8.00 mm - PAT043

High Clear Glass



5.00 mm - PAT045
8.00 mm - PAT046
10.00 mm - PAT047

Bronze Tinted Glass



4.00 mm - PAT067
5.00 mm - PAT052
8.00 mm - PAT053

Blue Tinted Glass



5.00 mm - PAT054

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