

## Floating Glass Staircase System

Floating staircase is a perfect solution for all those who strive for excellence. It is one of the most popular staircase designs nowadays. The steps are attached to a wall or a hidden stringer on one side, whereas the steps on the other side are unsupported, which gives the impression of floating in the air. Very often there is no balustrade installed. Alternatively, a frameless transparent glass banister can be fitted not to spoil the feeling of openness. At SZG, we can design and develop a bespoke staircases and have a wide selection of floating staircases, and you can decide on a straight, curved or quarter turn structure.





## **Glass for Stair Treads**

### **Triple and More Multilayer Laminated Glass**

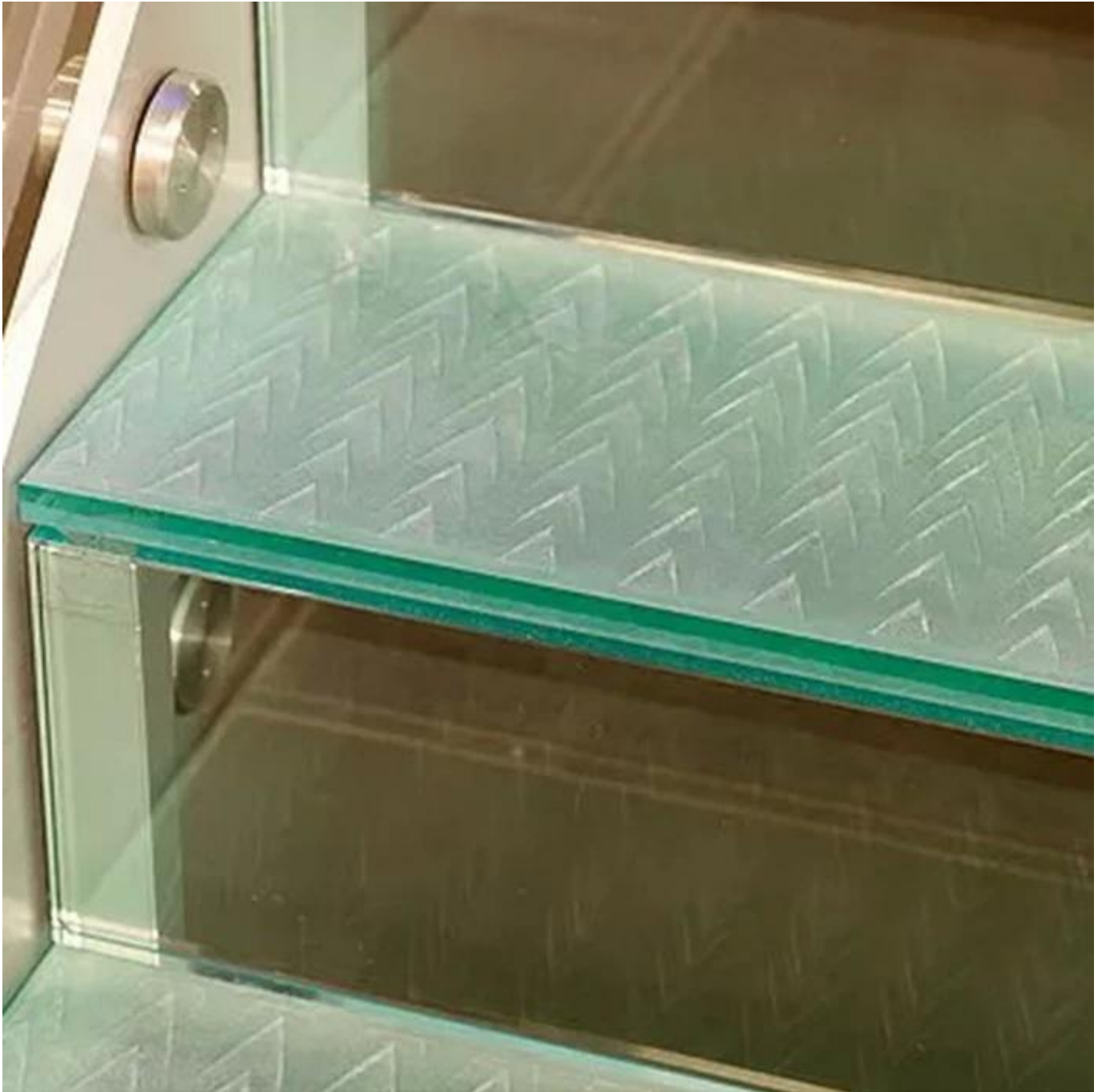
Multilayer toughened laminated glass is consisting of three or more panes of toughened glass and more than one layer of PVB or SGP film of thickness above 0.76mm. Glass and film bonded together, then compressed in autoclave to connect the glass and film firmly. Triple tempered laminated glass provide high level of protection to guarantee a high resistance to hold the weight of itself and the people walking

on it.



### **Anti Slip Laminated Glass**

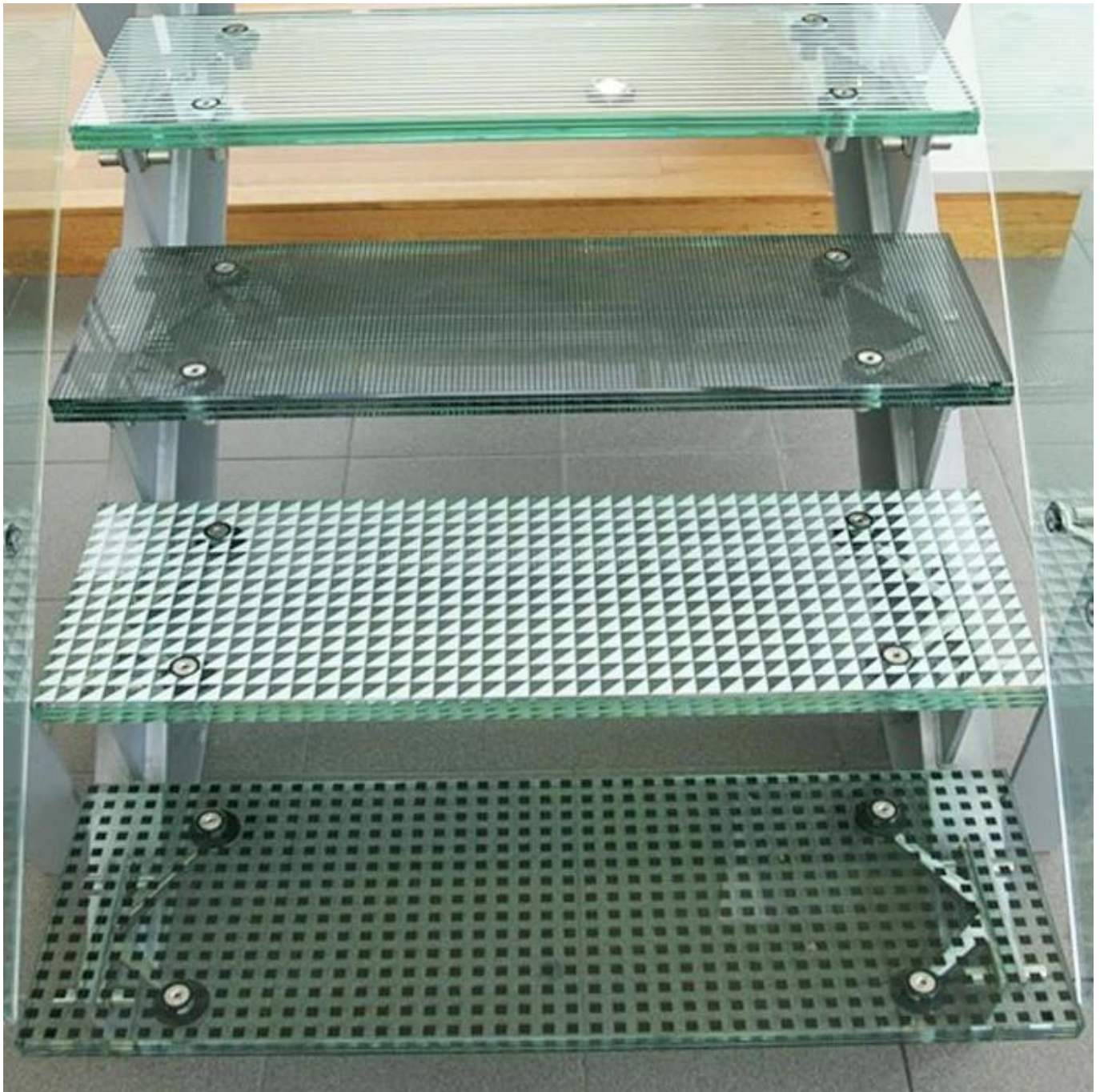
Anti slip glass is usually made by acid etching process on glass surface to create uneven patterns, such as acid etched dots, acid etched cross. The patterns increase the friction and prevent potential slip when glass is wet. SZG offer a multiple variety of non slip patterns in clear or colors. Our patterns include full non slip patterns, partial patterns, square/ dots/ / diamonds/ checker plate, custom patterns and different obscure requirements.



### **Silk Screen Laminated Glass**

The processing of silk screen glass involves screen-printing special ceramic frit paint onto the glass and fusing it onto the surface during the toughening or heat strengthening process. The result is a tough, durable, decorative glass. SZG is screen-printed with a pattern or design. It is both decorative and functional, providing privacy while controlling solar heat gain and glare. And the ceramic frit paint on the surface of glass also provide anti slip effect.

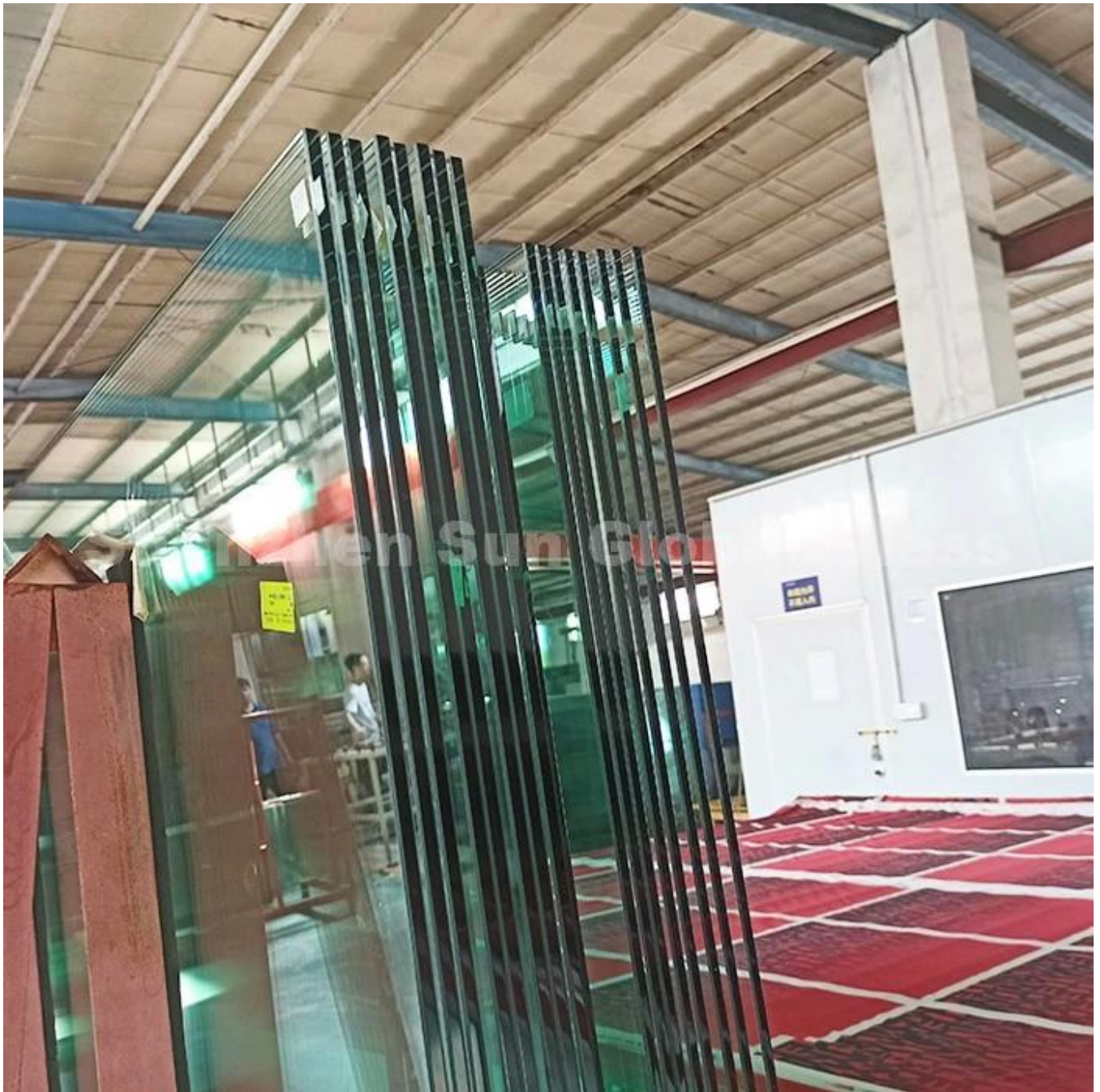




## **Glass for Stair Railing**

### **Tempered Glass**

Processing of tempered glass is heat float glass to very high temperatures (usually around 1100 degrees Fahrenheit) and then immediately undergo rapid cooling to become tempered. In the rare instances that tempered glass does break, it doesn't just crack, it shatters into millions of little pieces. Float glass without tempering process is break into a few knife-like shards, meaning it will break much easier (tempered glass is 3-5x stronger than glass used in dishware) and pose safety risks when it breaks.



### **Laminated Glass**

Laminated glass is made-up of two tempered glass panels that are bonded together with an interlayer. This interlayer ensures that, if one or both of the tempered glass panels shatter, the frame of the glass panel will stay intact. There are two main types of interlayers used in architectural glass railing: PVB and SGP. Generally, we only recommend using PVB for non-coastal applications and using SGP in coastal settings.





## Floating Staircase Types

Straight Stairs



L-shaped stairs





U-shaped Stairs



Spiral Stairs



Curved Stairs





What kind of stairs do you like? Welcome to send us your detail inquiry.