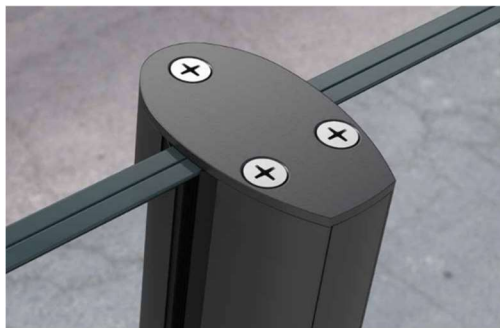


## GLASS RAILING SYSTEMS

# SYSTEM TYPE: ORBIT R

### FLOOR ANCHORING



#### 1. SYSTEM FEATURES

- **Minimalist Design.** Thanks to the extreme simplicity and minimal nature of the fusion line series, it actually works really well as a visual element;
- **Reliable safety.** Orbit line railings perform extremely well, providing utmost safety and protection;
- **Easy & Fast Installation.** Orbit line railings are carefully designed to help installers benefit from quick and easy installations at all stages of their placement;

## 2. TECHNICAL DATA

- Designed for: domestic use and public places;
- Use: inside and outside, also by the sea;
- Variants: floor mounted;
- Applications: balconies and balustrades;
- Material: aluminium. Available in all electrostatic and anodising shades;
- Infill: glass from 6 mm to 13.52mm (66.4);
- Upper finish: painted in black or white.

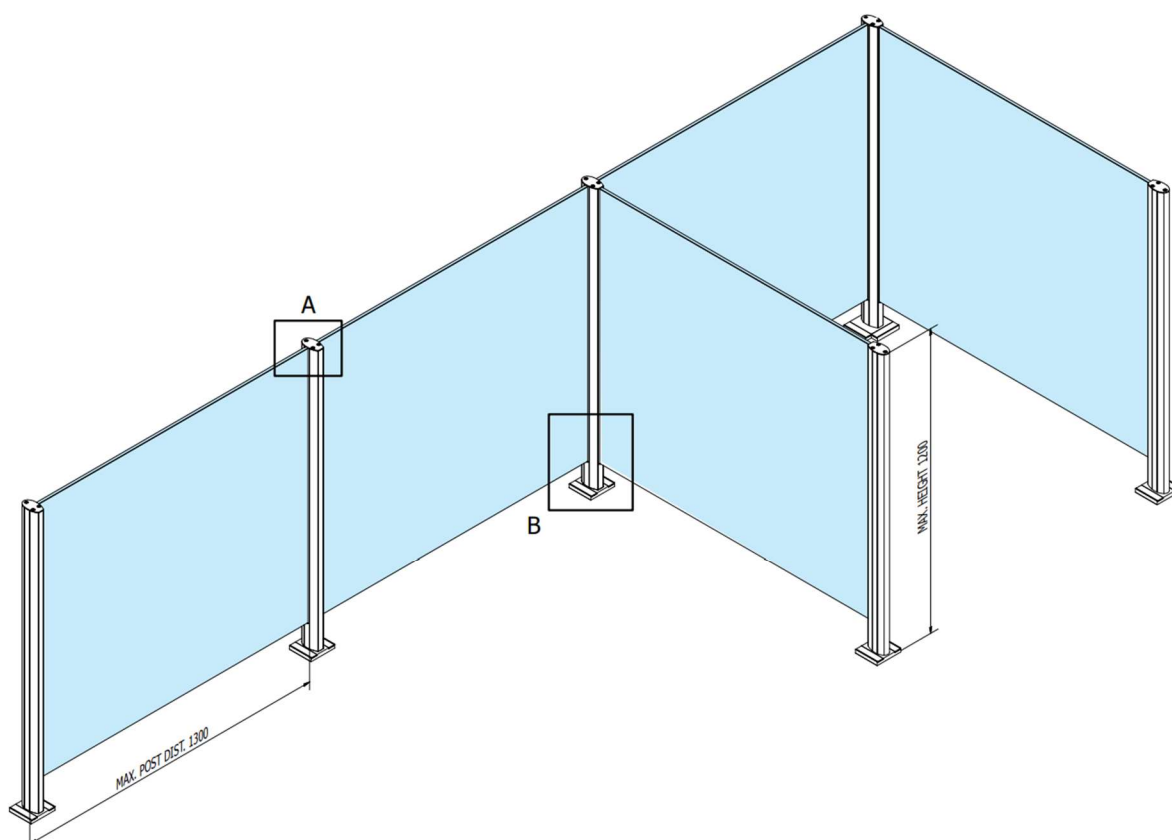
## 3. CERTIFICATION. TESTS

- Glass EN 12600;
- Certification that allows the product use for projects that demand high performance standards (>1.7 KN/m);



## 4. INSTALLATION

- Drill the holes into the floor where the holes of the post anchor are located by using the most suitable drilling bit. Use the proper screw anchors for both the surface and type of material of the part where the posts are anchored. Anchor on two points.

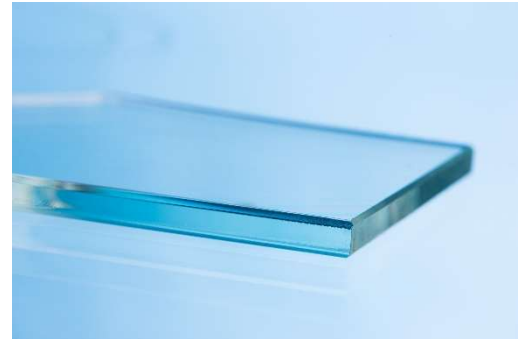


- Maximum height 1.20 m and width 1.30 m for typical railing applications.

## 5. GLASS

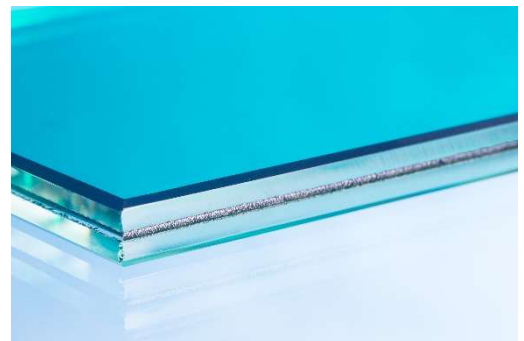
### Tempered glass

Tempering is a heat treating that produces a pre-compression condition on glass surfaces; a reduction of micro blemishes is therefore achieved. After being tempered, glass develops a resistance that is four times higher than a traditional float glass. Another advantage is that, in case of breakage, you will have little fragments without sharp edges.



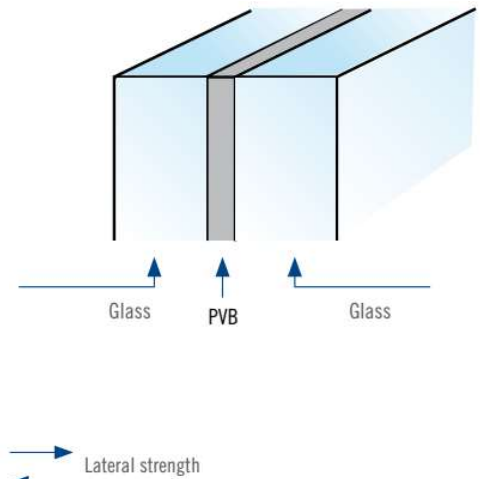
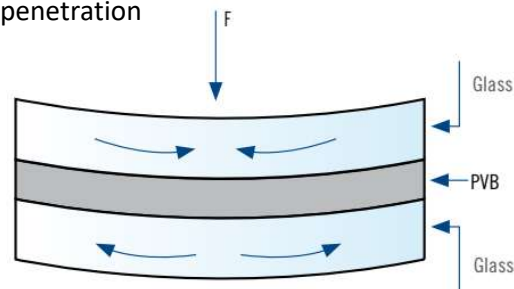
### Laminated glass

By joining two or more tempered glass layers and alternating them with a plastic sheet, we get a composite panel, where, in case of a break, fragments remain cohesive. Plastic materials which are usually in PVB or EVA, are interjected between two or more layers, thanks to specific processes that allow them to reach a composite panel with mechanical, heat and acoustic performances.

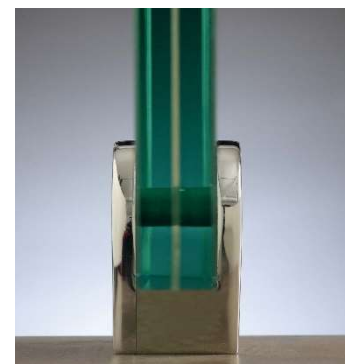


### Advantages of security stratified glass in case of breakage:

- Fragments and splinters pinned by plastic;
- It stands even after break and it can be replaced;
- Decreased fall of dangerous fragments on people;
- Decreased injury risk caused by human impact;
- Increased mechanical resistance to break – through and penetration



- from 6 mm monolithic toughened glass to 17.52mm (88.4) toughened laminated glass;
- optional coloured or tint glass;
- radius corners and polished edges on request;
- optional drilled holes;



## 6. DRAWINGS

