

## GLASS RAILING SYSTEMS

# SYSTEM TYPE: GLASS U

### Glass U A Top2 - floor anchoring



**The Glass U “A”** are aluminum profiles produced after first “Classic” version. They are suitable for private houses, cafes, restaurant and for most public places, thanks to the increased load resistance. Beyond the classic fastening system, they are equipped with a patented spacing system for the glasses, which enhances their solidity.

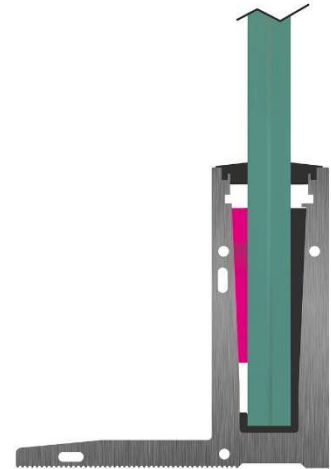
#### 1. SYSTEM FEATURES

- designed to top assembly, depending on the project;
- guaranteed stability and strength – glass fitted with special glass wedges and pads;
- quick and easy installation;
- the possibility to use any type of handrail on the top edge of the glass – e.g. stainless steel, aluminium or wood;



## 2. TECHNICAL DATA

- Designed for: domestic use and public places;
- Use: inside and outside, also by the sea;
- Variant: floor mounted;
- Applications: stairs, balconies and balustrades;
- Material: aluminum with stainless steel effect;
- Dimensions: 49mm x 125 mm (internal helix channel 110 mm);
- Infill: glass;
- Glass thickness: 12,76 - 13,52 - 15 - 16,76 - 17,52 - 19 - 20,76 - 21,52 mm;
- Upper finish: natural aluminum colour with silver effect;

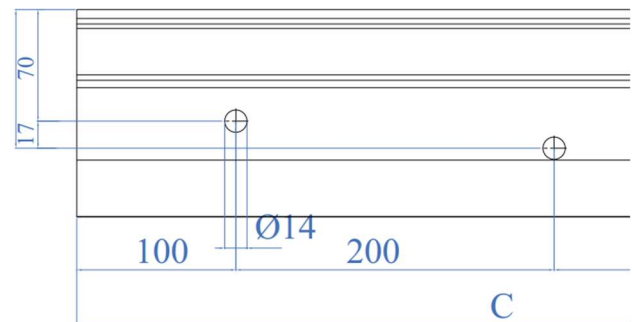
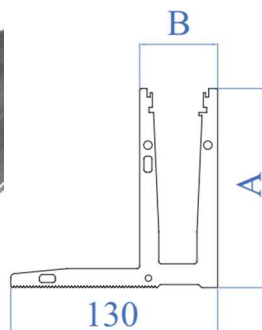


## 3. CERTIFICATION. TESTS

- Glass EN12600;
- CE
- Approved BS6180
- Approved BS6399-1
- Construction NTC2008;



## 4. MOUNTING - FLOOR ANCHORING



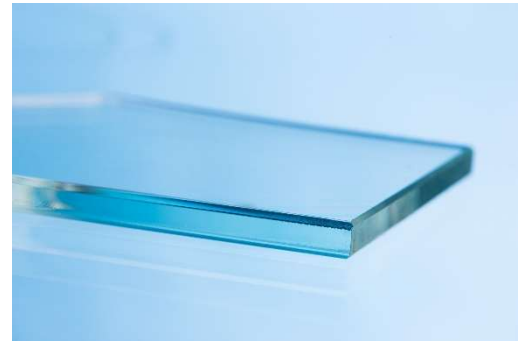
| A      | B     | Profile length |
|--------|-------|----------------|
| 125 mm | 49 mm | 3000 mm        |

- Resistance 1kN/m (Glass 16,76 mm);
- Resistance 2kN/m (Glass 21,52 mm);

## 5. GLASS

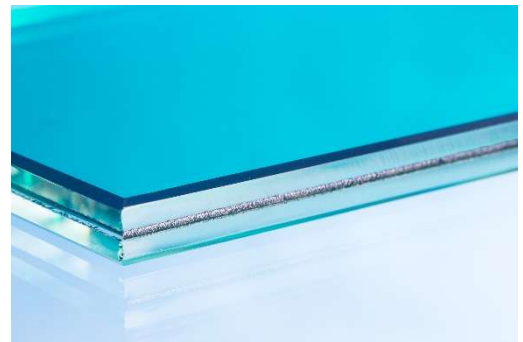
### Tempered glass

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.



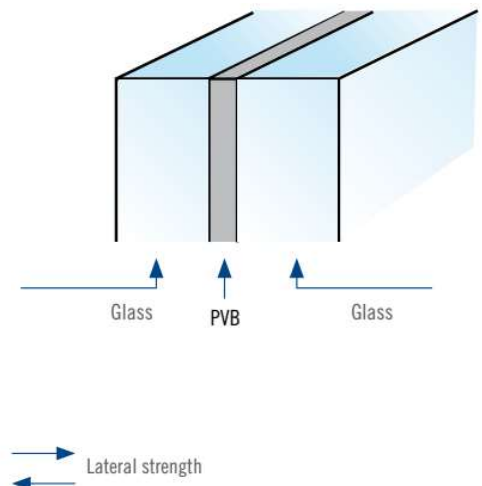
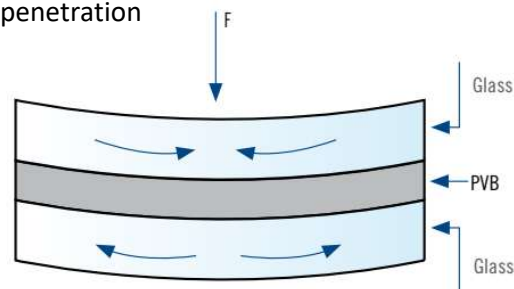
### Laminated glass

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.

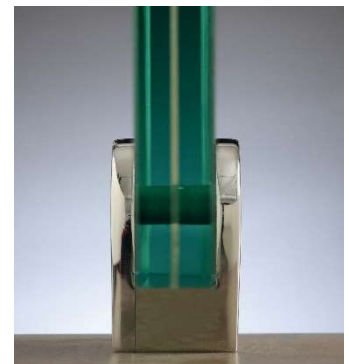


### Advantages of security stratified glass in case of breakage:

- 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 12.76mm (66.2) to 21.52mm (1010.4) toughened laminated glass;
- optional coloured or tint glass;
- radius corners and polished edges on request;
- optional drilled holes;



## 6. HANDRAIL

Glass U system can be used with any type of handrail on the top edge of the glass – e.g. stainless, aluminium or wood.

The most popular handrails below:



Evolution



Round



Cube



Essential

## 7. INSTALLATION

### Profiles provided with:

- closure tops;
- spacers to insert at the end of each glass;
- spacers to apply at the base of each profile to support fluids flow;
- fastening wedge kits in synthetic material;
- rubber closure seals for various glass thickness;

