

GLASS SYSTEMS

SYSTEM TYPE: FRENCH BALCONY

FRENCH GLASS BALCONY



1. SYSTEM FEATURES

- Transparency and lightness with maximum security;
- No handrail required;
- View of supporting profiles without visible screws;
- Easy cleaning due to free glass bottom edge;
- Simple assembly, subsequent assembly also possible;

2. TECHNICAL DATA

- Attached directly to window profiles;
- Upper edge of the glass protected with aluminium or stainless-steel strip;
- Can be installed on single or double - leaf constructions;
- Glass infills made of bonded glass from 44.2 (8.8mm) to (1010.2) 20.8 mm;
- Can be used in housing, offices and public facilities;
- Upper finish: available in RAL color;

3. CERTIFICATION. TESTS

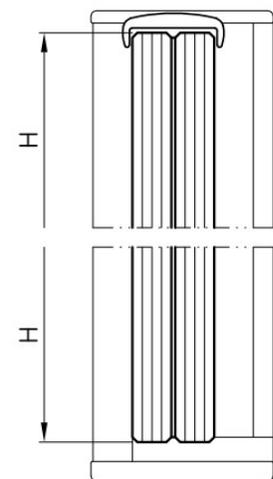
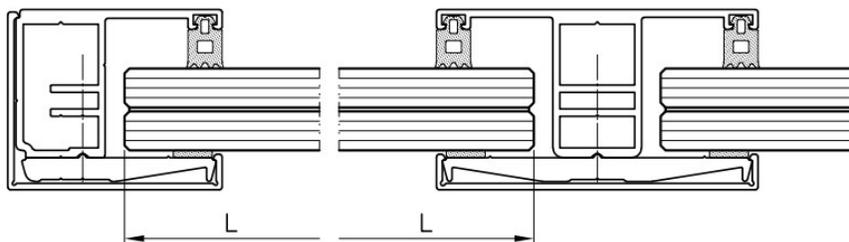
- Glass EN12600;
- Resistance to soft body impact (50kg): Class 5 (950mm) according to EN13049:2004;
- Resistance to wind load: Class 5 (3000Pa) according to EN12424:2000;



4. DIMENSIONS

- Available in custom dimensions*

		Glass panel			
		ESG 44.2	ESG 66.2	ESG 88.2	ESG 1010.2
min.	L (mm)	500	500	500	500
	H (mm)	700	500	400	300
max.	L (mm)	1000	2000	2300	2600
	H (mm)	1200	1200	1200	1200

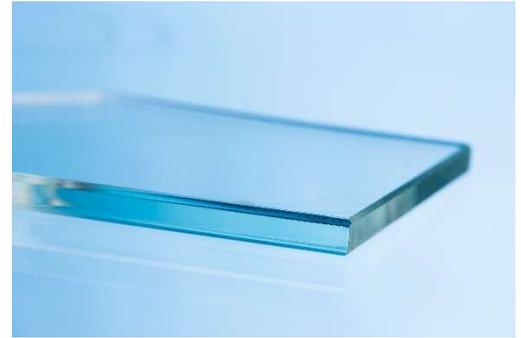


* depends on glass thickness and number supporting profiles.

5. GLASS

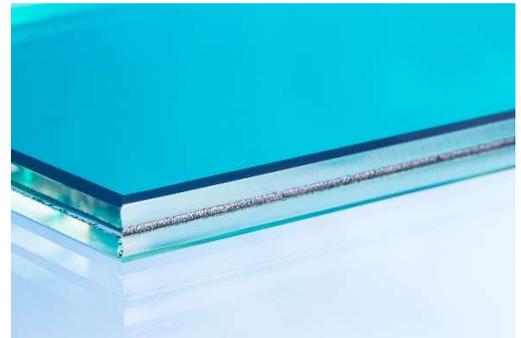
Tempered glass

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.



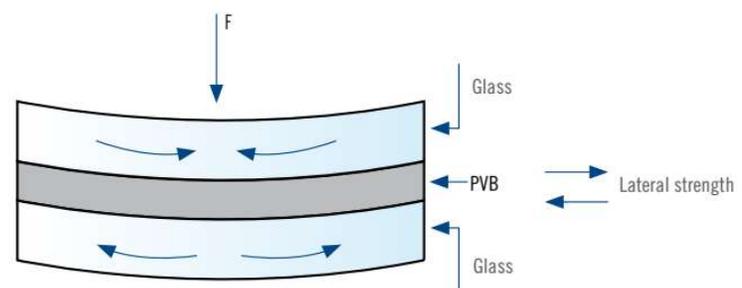
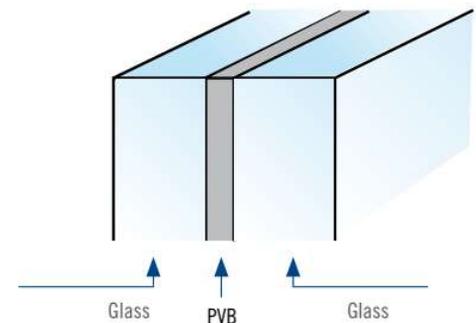
Laminated glass

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 8.76mm (44.2) to 20.76mm (1010.2) toughened laminated glass;
- optional coloured or tint glass;



8. INSTALLATION

