PROAL

GL100



PROAL GL100 Guillotine Glass System consists of aluminum/glass panels and slides vertically from top to bottom. The system moves with a motor and is controlled with a remote control. GL100 Guillotine Glass System can be produced as 2 panels, 3 panels and 4 panels depending on where it will be applied. The first sash of guillotine window in the system is fixed, the others can be opened and closed. When the system is fully opened, it acts as a fixed glass handrail. Since the system works vertically and is produced as a horizontal frame, it provides a panoramic view.

PROAL GL100 Guillotine Glass System can optionally be produced with single glazing or double glazing, which can provide more insulation. There is also a thermal barrier profiles option for maximum insulation.

In order to make system cleaning easier, the sash windows can also be produced with a stay arm that can be opened. In Cleanable Guillotine Glass System, the moving cover profile prevents possible hand and finger jams when opening the system. System profiles can be painted in any RAL color.





It provides a panoramic view thanks to its vertical running design.

It is quick and easy to install.

It can be easily controlled with the remote control.

Provides railing function.

Provides natural ventilation.

System profiles are produced in the requested color

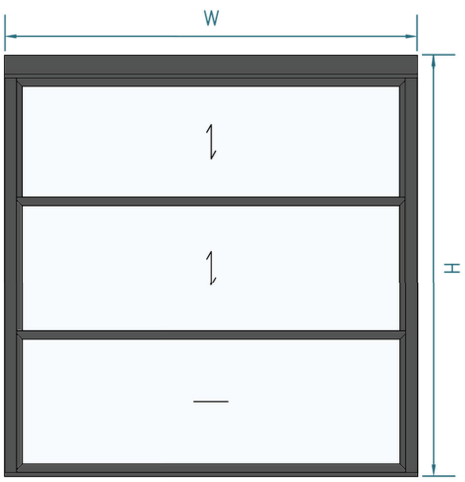
The movable cover profile prevents possible hand and finger entrapment when the system is opened.

Provides sound insulation.

Provides thermal insulation.

Easy to clean.

TECHNICAL CHARACTERISTICS



3 PANELS

Number of Glass Panels	3 Panels
Max. Height and Width for 3 Panels	Max. W:3500mm H:4000mm
Sash Width	32 mm
Frame Width	124,5 mm
Single Glass Thickness	8 mm, 10 mm
Surface Coating	Electrostatic Powder-Coating
Profile Color	Optional
Movable Cover Profile (Hand and Finger Protection)	✓
Cleanable Opening Sash	✓
Motor Type	Sonfy motor



Information About The Diagrams :

The curves in the table; drew according to the inertia value of the clamp profiles and the wind loads of 60, 96 and 132 kg/m². The hatched area below the curves according to the selected wind load mean "applicable" dimensions.

Limits of Opening Accessory :

Minimum-Maximum Frame Width : 1000mm - 3500mm

Minimum-Maximum Frame Height : 1500mm - 5000mm

Maximum Opening Single Sash Weight) : 100 Kg

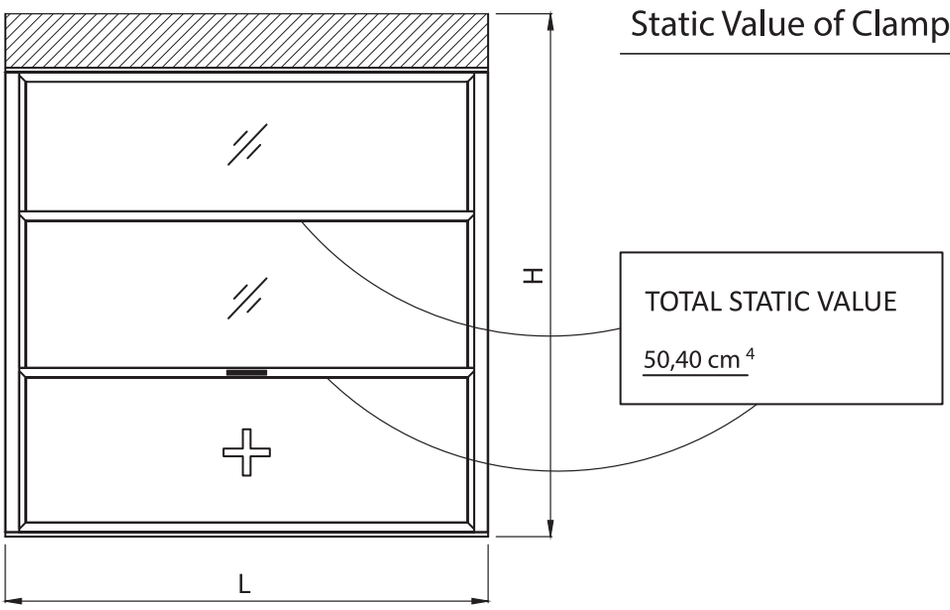
Limits of Static Calculations :

H : Casement Height

L : Casement Width

Deflection Criteria : H / 200

Static Value of Clamp Area :



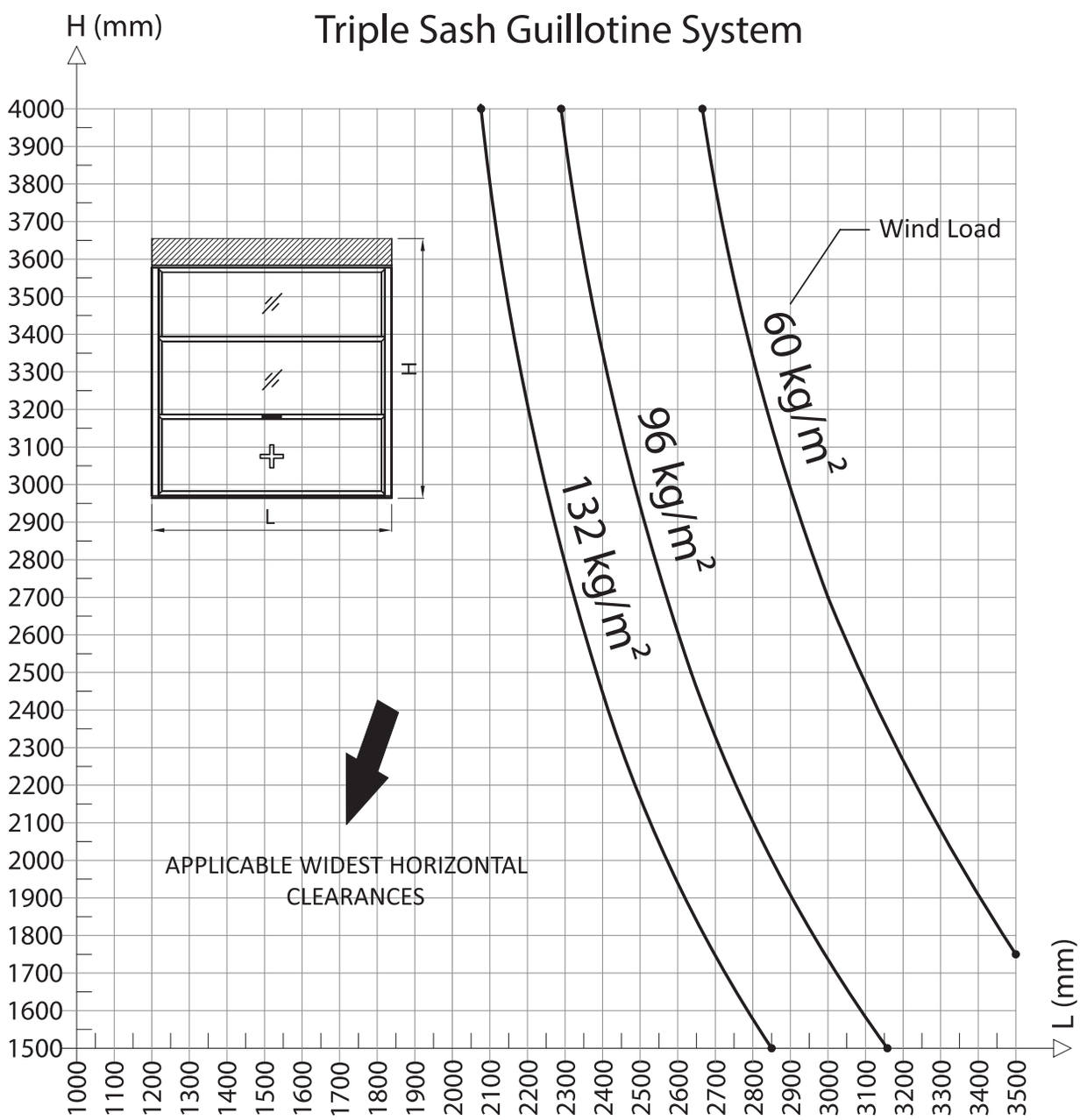
STANDARDS USING WITH STATIC CALCULATIONS :

TS 498 (DIN 1055) , TS EN 13830

Wind Load :

Can be seen in the table below, which was
created according to the TS 498 standard before the static calculation; The wind load corresponding to the height of the building where the casement will be used is taken as a reference value.

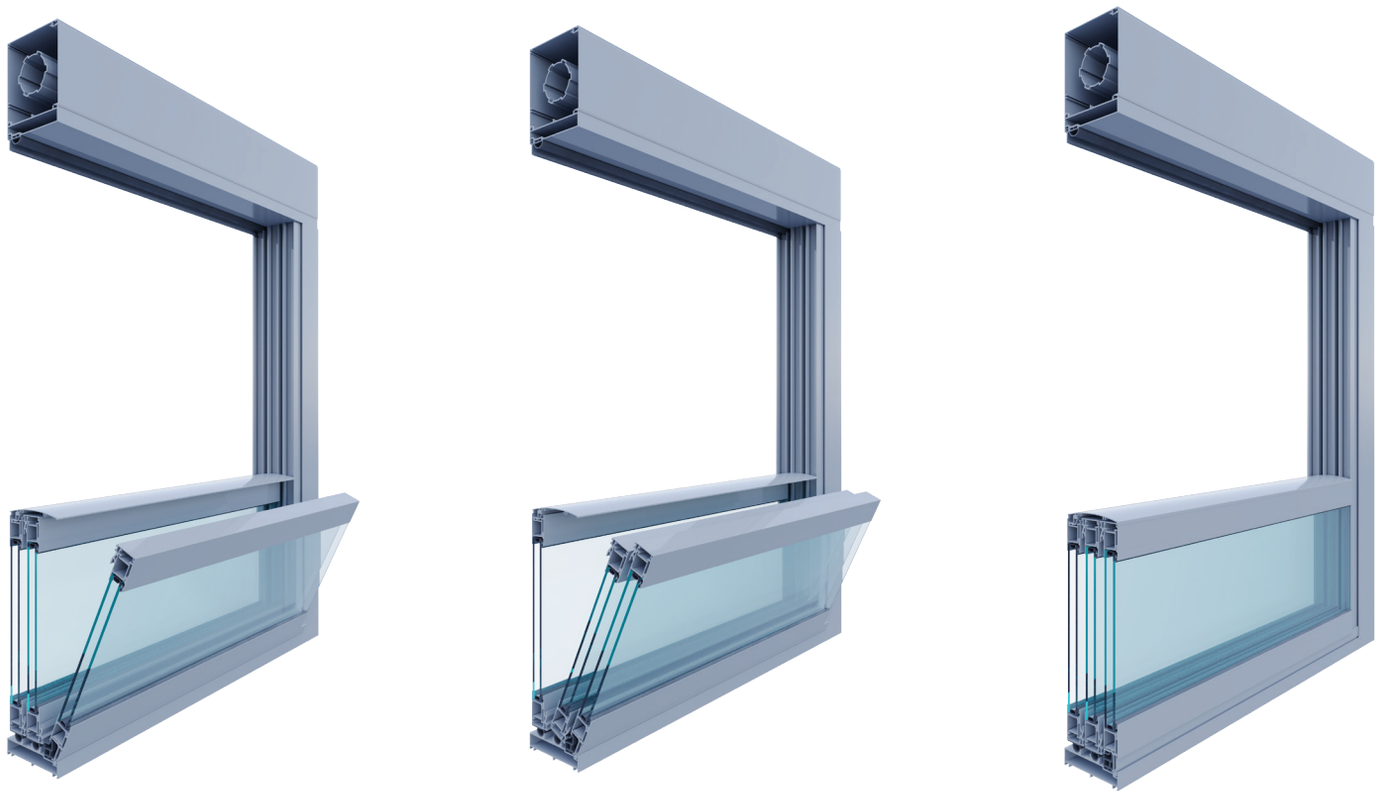
GROUND ELEVATION (m)	WIND SPEED (km/h)	ABSORPTION (kg/m²)	WIND LOAD (kg/m²)
0 - 8	101	50	60
9 - 20	130	80	96
21 - 100	151	110	132



CASEMENT MOUNTING HEIGHT (according to TS 498);

If it is between 0-8m, the wind load to be taken is 60 kg/m²,
If it is between 9-20m, the wind load to be taken is 96 kg/m²,
If it is between 21-100m, the wind load to be taken is 132 kg/m²,
should be taken.





PROAL

GUILLOTINE GLASS SYSTEM

GL100