

Fall Protection Systems

Panorama® self-supporting

We see the flat roof as an economic factor and offer attractive complete solutions for new buildings and existing properties. Flat roof areas designed as living space create additional free space for private and public Use – For terraces. For Urban Gardening. For recreation and relaxation. In short: an increase in value of the property.

- Type statics up to 1.0 kN/m horizontal impact load
- Modular, ballast supported modular system
- No penetration of the seal
- No thermal bridges and sound transmission
- Light, stable, weather and corrosion resistant
- No warranty problems
- Various fillings and colouring in RAL colour
- Additional feel-good rooms for new buildings and renovation



Requirements for the railing system

INFO

Flat roof ← areas are divided into different categories according to DIN 1991-1 Eurocode 1 and other country-specific standards. Depending on the category of use, the specified impact loads must be observed and fulfilled.

The Panorama self-supporting railing system allows installation without penetrating the sealing of a flat roof surface. Stability and tilt resistance is guaranteed by external ballast.

A covering structure is applied to the substructure of the railing system (cantilever rail + load-bearing plates), taking into account the required ballast per m².

The requirements for the railing system are directly influenced by various factors. A categorisation is made on the basis of the following parameters:

- Usage category of the flat roof surface (private/public) and required impact load
- selected covering (type) and construction height (weight) – e.g. gravel, greenery or floor slabs
- Required height of the railing from the level of the flooring (according to building regulations)
- freely available installation area for positioning the load support plates
- Height of the building and geographical location (wind load zone & overlay)

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Verification by type statics

The Panorama self-supporting railing system is covered by a type statics. With the construction of this type statics on the basis of European standards and additional, country-specific requirements,

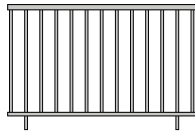
the stability can be verified by calculation – an individual verification per construction project is no longer necessary! The proven performance of the system is made up as follows:

INFO

The ← Panorama self-supporting railing system is available in Classic and Premium versions according to performance requirements



Panorama C-ST

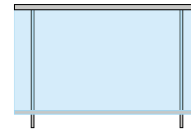


Basic requirements

Initial configuration with optimum requirements

- horizontal impact load up to 0.5 kN/m
- Version with lattice bar filling
- geographical position up to wind zone 3 with wind speeds up to 27.5 m/s
- Required load in the area of the load support plates: 120 kg/m²

Panorama P-ST



Maximum requirement

Static complete utilization of the system

- horizontal impact load up to 1.0 kN/m
- Design with lattice bar filling as well as partial and full glass filling
- geographical location up to wind zone 3 with wind speeds up to 27.5 m/s. (others on request)
- Required load in the area of the load support plates: 160 kg/m²

The components of the system

INFO

If you are ← interested, please order our detailed checklist giving further type options and a survey of the necessary parameters to ensure safety in your specific situation.

The freely ← available installation area for the substructure should be 2 m.

