

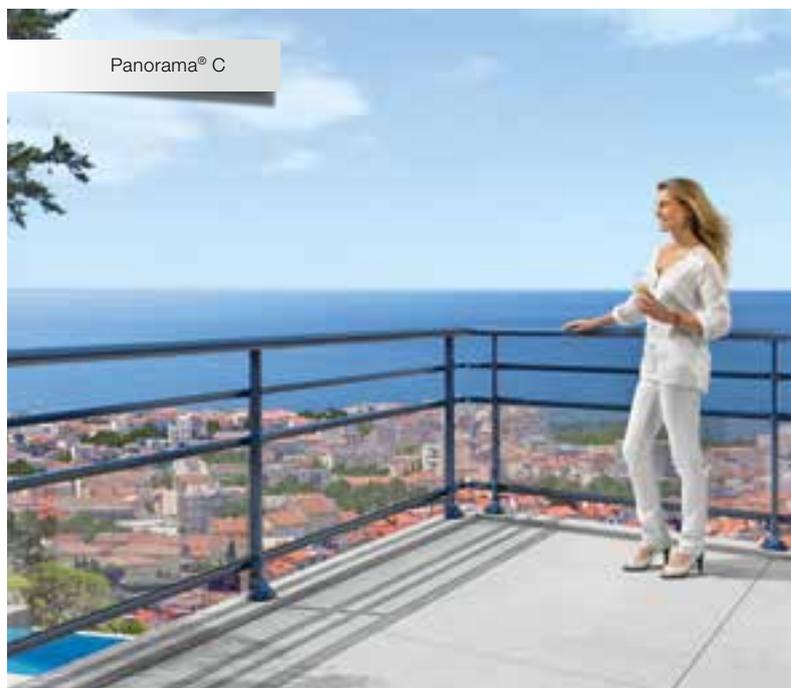


# Panorama®

Aluminium balustrading systems



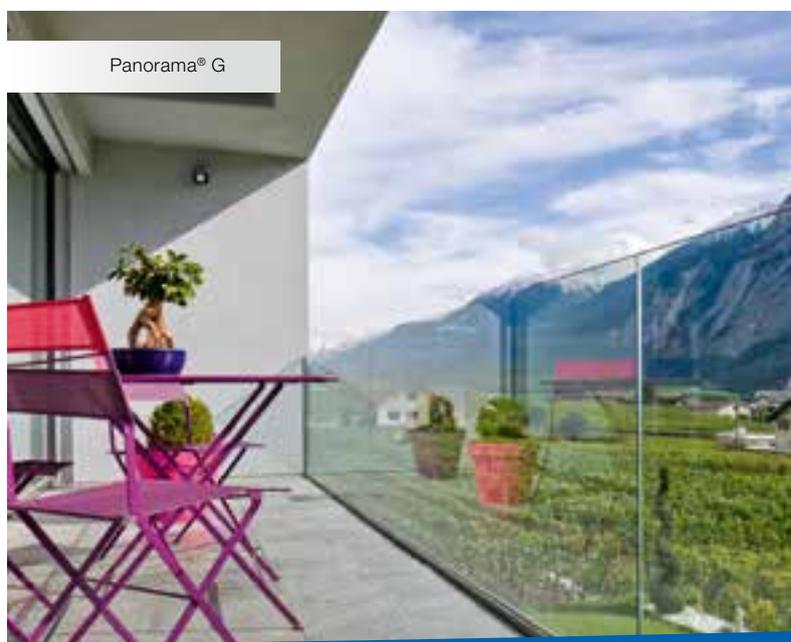
Panorama® S



Panorama® C



Panorama® C ST



Panorama® G

# Panorama C: Classic fix



- ✓ Type statics up to 1.0 kN/m rail load
- ✓ Lightweight, stable, weather- and corrosion-resistant
- ✓ Wide range of centre panels and colour schemes in RAL
- ✓ Simple and rapid assembly
- ✓ Modules pre-assembled at the factory
- ✓ Made-to-measure delivery with layout plan

## Infill panel combinations



## Structure and accessories

Particular importance was attached to aesthetics in developing the Panorama C balcony system. The connecting elements and accessories can be installed discreetly and easily.

### Mounting clamp

The mounting clamp can be pre-positioned using allen fixings. This makes it easier to install the intermediate rails and centre panel modules.

### Rail connector

The rail connectors are manufactured with an exact fit for the profiles.

### Cover profile

The cover profile is inserted into the groove in the underside of the handrail, thereby creating a smooth closed surface.

### Cover caps

The cover caps provide a neat finish to all profile ends on handrails, intermediate rails and centre panels.

### Standard shoe for multiple fixing possibilities

Standard shoe options for different installation areas on the balcony front edge, on the roof surface, on the inside/outside of the parapet or façade and on the top of parapets.

# Panorama S: Steel-effect



- ✓ Type statics up to 1.5 kN/m loads to EN 6180
- ✓ Design in steel effect with the advantages of aluminium
- ✓ Lightweight, stable, weather and corrosion resistant
- ✓ Wide range of centre panels and colour schemes (RAL, DB, NCS)
- ✓ Simple and rapid assembly
- ✓ Modules pre-assembled at the factory
- ✓ Made-to-measure delivery with layout plan

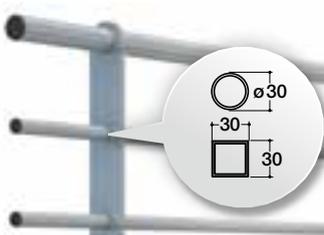
## Flexibly combinable centre panels

<div data-bbox="114 1003 485 1088" data-label="Section-Header"> <p><b>Vision series</b> (glass centre panel)</p> </div> <div data-bbox="114 1088 547 1339" data-label="Image"> </div>	<div data-bbox="580 1003 951 1088" data-label="Section-Header"> <p><b>Air series</b> (railing centre panel)</p> </div> <div data-bbox="580 1088 1013 1339" data-label="Image"> </div>	<div data-bbox="1045 1003 1415 1088" data-label="Section-Header"> <p><b>HPL series</b> (solid centre panel)</p> </div> <div data-bbox="1045 1088 1482 1339" data-label="Image"> </div>
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## Handrail options

<p>Round handrail, top-mounted</p>	<p>Square handrail, top-mounted</p>	<p>Round handrail, passed through</p>	<p>Square handrail, passed through</p>
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## Intermediate rails



## Standard shoe options for different installation areas:

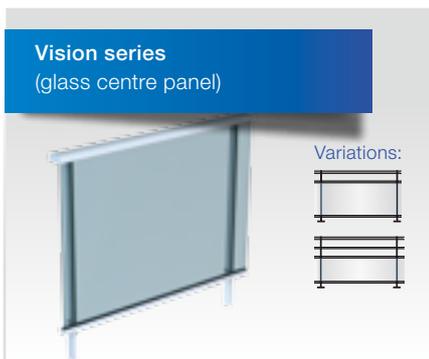
- on the balcony front edge
- on the roof surface
- on the inside/outside of the parapet or façade, with or without coping (Couvernet type)
- on the parapet top

# Panorama C ST: Classic free standing



- ✓ Type statics up to 1.0 kN/m rail load
- ✓ Modular, ballasted building block system
- ✓ No penetration of the roof membranes
- ✓ No cold bridges or sound transmission
- ✓ Lightweight, stable, weather and corrosion resistant
- ✓ No issues related to warranty law
- ✓ Wide range of centre panels and colour schemes in RAL
- ✓ Additional well-being spaces for new construction and renovation

## Centre panels combinations



## Load support plates

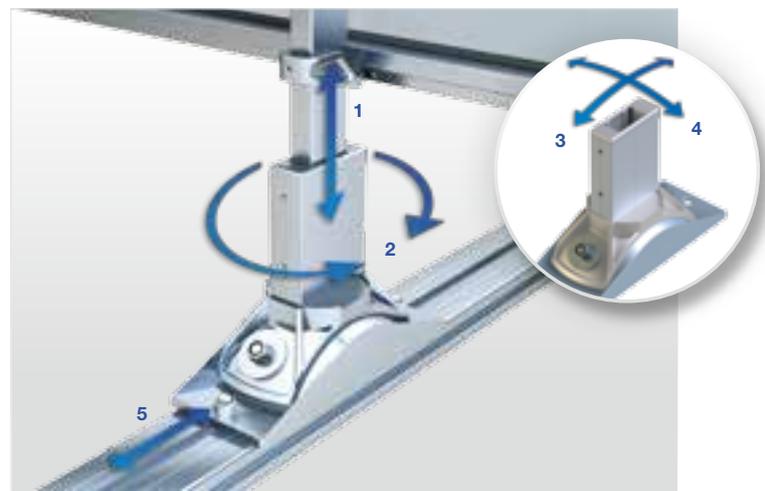
Stability and safety against deflection of the railing system is provided by cantilever base rails with load support plates.

The position and size of the load support plates depends on:

- + Type of use (private/public)
- + Imposed load and thickness of the layered structure
- + Railing height over roof covering level above roof level
- + Available free for installation surfaces

## 5 position adjustable railing shoe

- + The patented railing shoe enables vertical and horizontal alignment of the railing posts, thereby allowing tolerance of base unevenness in the roof surface.
- + The foot can be variably positioned on the cantilever rail for optimum flush alignment of the balustrade.
- + The flexible system is adapted according to site requirements to the different layer thicknesses of the roof structure. An additional height adjustment of the stanchion in the socket of up to 100 mm is possible.



# Panorama G: Solid glass balustrades



- ✓ Type statics up to 1.0 kN/m rail load
- ✓ Prefabricated ready to install according to building design
- ✓ Low static weight (base profile approx. 6 kg per metre)
- ✓ High stability, weather-resistant and durable
- ✓ Can be used with 21 or 25 mm toughened safety glass
- ✓ No silicone joints, sealing tape solution
- ✓ Wide range of accessories
- ✓ Particularly suitable for curved glass

## Solid glass balustrade profile

### Quick & easy assembly

The sophisticated, installation-friendly solution allows rapid, trouble-free insertion of the glass. No additional drilling of mounting holes.

A **wide range** of accessories helps you to install this complete solution quickly and easily.

Standard profile lengths of up to 3000 mm and optionally up to 6000 mm.

### Tested and certified

Panorama G balustrades are tested according to Eurocodes with type-tested statics.

## Toughened safety glass

Toughened safety glass according to DIN 18008 offers outstanding active and passive safety properties.

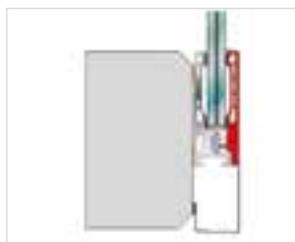
It is non-shattering and therefore inhibits injuries. All products also comply with the technical standards with regard to fall protection. This stability and safety is at the same time a basic pre requisite for the wide range of application and design possibilities:

Toughened safety glass is suitable for all types of parapets and balustrades in the private or public domain and for both indoor and outdoor use. Variations with coloured and printed films as well as lacquered and printed glasses, either transparent or opaque, are possible.

### Note:

**Prefabricated ready to install solid glass balustrade profiles according to building design. The glass units are delivered separately on site.**

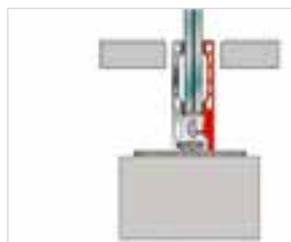
## Installation possibilities



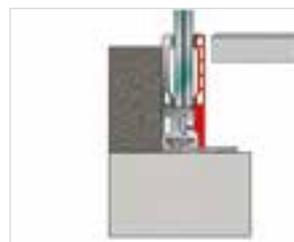
Direct installation on the front side



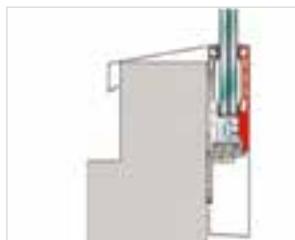
Direct installation from above



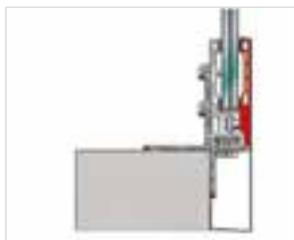
Installation with a plate on both sides



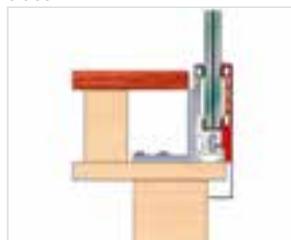
Installation with a plate on one side



Installation with an angle bracket on the front side



Installation with a two-part bracket



Installation on wood with a bracket



Installation on steel, direct installation from above

# An impressive service

Comprehensive, competent support from planning to the execution stage - dani alu accompanies you in all phases of your project:

- Safety analysis
- Clarification of technical details
- Proposal of appropriate solutions
- Site assistance
- Made-to-measure delivery with layout plan
- Technical support during assembly
- Installation instructions



## Wide variety of colours

Panorama is very slender in appearance and blends perfectly into the building architecture, particularly owing to the individual colour scheme (a choice of 250 RAL colours).



## Tested and certified

Panorama balustrades are tested according to Eurocodes and DIN 18008-4 and 85 6180 with type-tested statics.

Panorama free standing balustrades are additionally tested according to ETB by certified bodies.



## Documents

Catalogues, order forms, technical datasheets, installation instructions, tender specifications, checklists and information about the topic of balcony and balustrades can be found on our website [www.danialu.com](http://www.danialu.com)

# Advantages of aluminium



- ✓ Easy to care for and maintenance free
- ✓ Wide selection of colours
- ✓ Never needs painting
- ✓ Individual and unique design possibilities
- ✓ Design variants with material combinations
- ✓ No visible screw connections on stanchions and centre panels

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