Architectural practice: Février et Giauffret Photographer: Serge Demailly

GYPSE

ARCHITECTURAL BALUSTRADE

TECHNAL®

Architect: Lionel Dunet Photographer: X. Benony

GYPSE: a balustrading system with countless opportunities and minimalist lines

Architect: Février et Giauffret Photographer: Serge Demailly

Gypse, a leading design

With an aesthetic "metal effect" and design both minimalist and scalable, Gypse balustrading is a true building. Discrete or differentiating elements, Technal's balustrading is suited to diverse project situations – facades, atria, etc.

The variety of styles and finishes within the range meets the needs of all market sectors, whether new build or renovation.

Gypse, two principles for one system

There are two types of construction:
- Double post
- Single post

The balustrading, straight or raked ... meets the most demanding of designs and plays on a combination of components and the mix of material: stainless steel, wood, glass and composite panel.

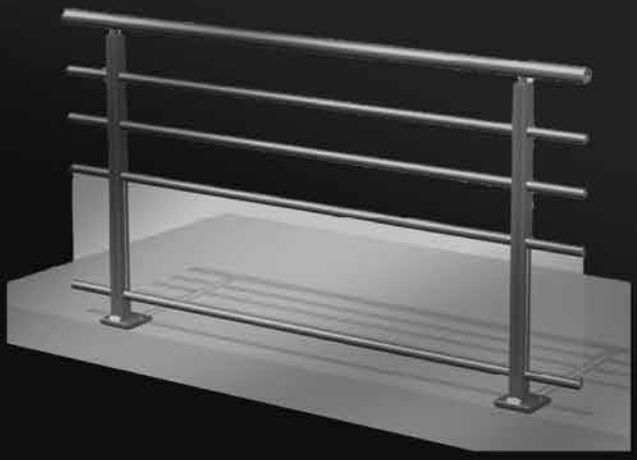
With the double-post, Gypse is aimed at architectural projects where balustrading plays an active role in the graphics of the façade or atrium.

With the single-post, the balustrading is suited to the more traditional residential renovation market.

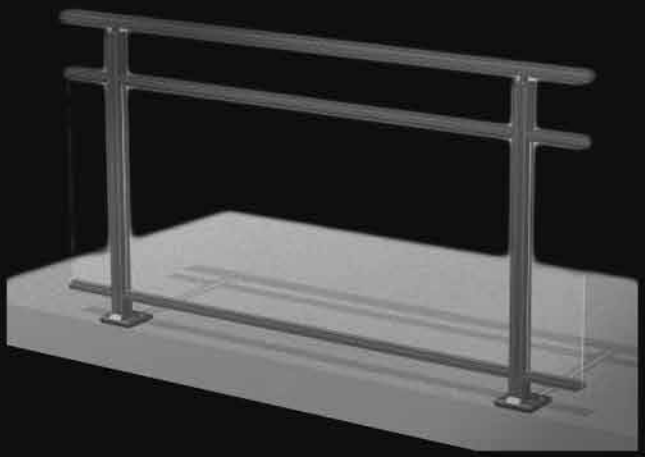
The Gypse system carries several Technal patents ensuring full compliance with standards and regulations.

GYPSE, Architectural balustrade

Joined posts



Spaced posts



Key features and innovations

Pure aesthetics

- Design with minimalist lines.
- Double post system: 2 design options.
- Flat or round midrails for models with or without infills.
- Installation options: on a slab, slab nose, in front of a slab, between frames and on a low wall.
- Corner bracket for a 90° angled return.

Infills and designs

- Infills positioned depending on the chosen configuration: in front of or behind the posts (spaced posts), between posts for modular versions, etc.
- Wide range of infills: glass, sheet metal, stainless steel rods or cables, St Andrew's cross, with or without a midrail, etc.
- Variety of materials: aluminium, stainless steel, wood, glass, composite panel, decorative sheet metal.
- Available as a balcony separator and swimming pool barrier.

Performance

- Compliance with standards: 78 test report available (brought into line with the latest changes to standards in relation to horizontal loads and glass infills).
- Several patents.

Easy to install

- Modules created using an infill positioned between posts (pre-mounted).

TECHNAL®

A range of infills

Spaced posts

Glass infill beneath a round handrail

Cable and sheet metal infill with a rectangular handrail

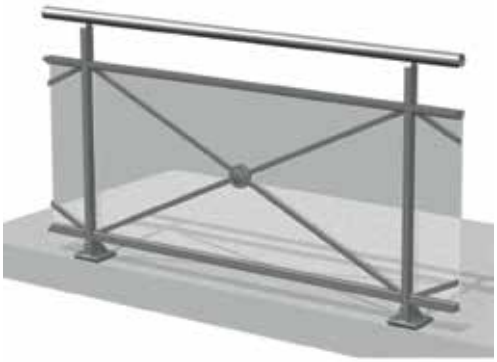
Cable and glass metal infill with an offset rectangular handrail

Running band aspect under the midrail with a glass infill

Joined posts

Glass infill beneath a rectangular handrail

Cable and glass metal infill with a round handrail



Running band aspect under the midrail with a St Andrew's cross and round handrail

Photographer: Patrick Loubet

Spaced posts

- Subtle and minimalist design.
- 2 posts 50 x 12 mm, spaced 20 mm apart.
- Round or rectangular handrail.
- Support for wooden handrail.
- Height-adjustable bracket for handrail offset by 150 mm.
- Bracket for stainless steel rod with a diameter of 12 mm.
- Extra flat bracket (20 mm) with post level and height adjustment.




Joined posts

- Simple and pure design.
- 2 half-height posts forming a 50 x 24 mm section.
- Round or rectangular handrail.
- Upside down V-shaped handrail bracket, 20 mm above the post.
- Midrails and infills positioned between posts.
- Retainer flange for stainless steel cable with a diameter of 4 mm.



Raked panels

- Articulated and centred handrail bracket to be fixed at an angle of 0° to 38°.
- The midrails and stainless steel rod flanges and cables can be fixed at a 0° to 38° angle.
- The applications and models for the straight railings also apply to the raked railings.

Architect: Castillon/ Fourreau Photographer: Patrick Loubet

Architect: A. Capelle. Photographer: G. Tordjeman

Handrails

Handrails with end caps

Round handrail Ø 50 mm

Clipped round handrail Ø 50 mm

Rectangular handrail 27 x 65 mm

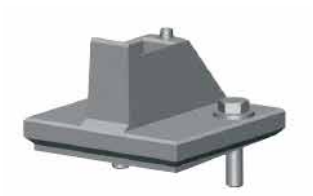
Rectangular handrail 35 x 65 mm

Clipped rectangular handrail
27 x 65 mm

Mounting brackets

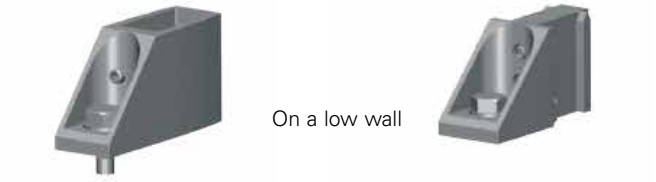
Joined posts

Spaced posts



On a slab

Slab



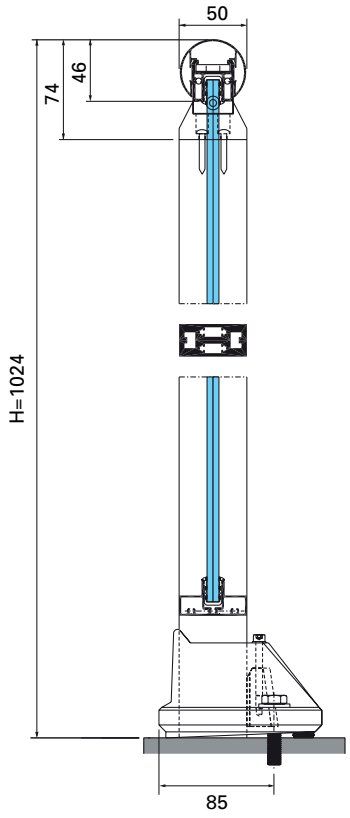
On a low wall

In front of the slab

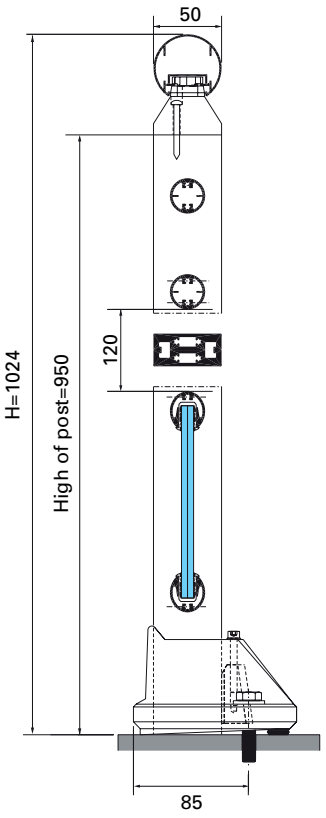
Sections

Joined posts

Glass infill beneath a round handrail

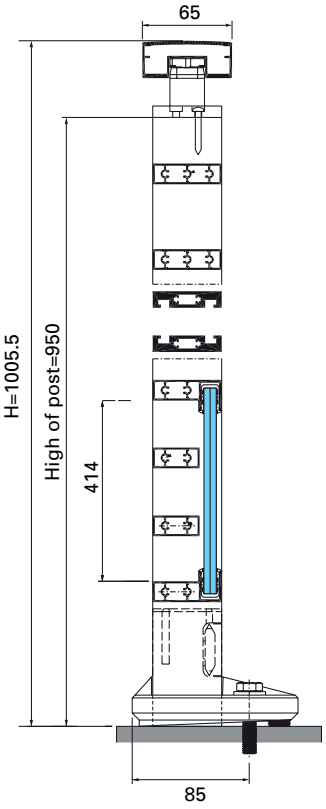


Round midrail and glass bottom section infill Round handrail

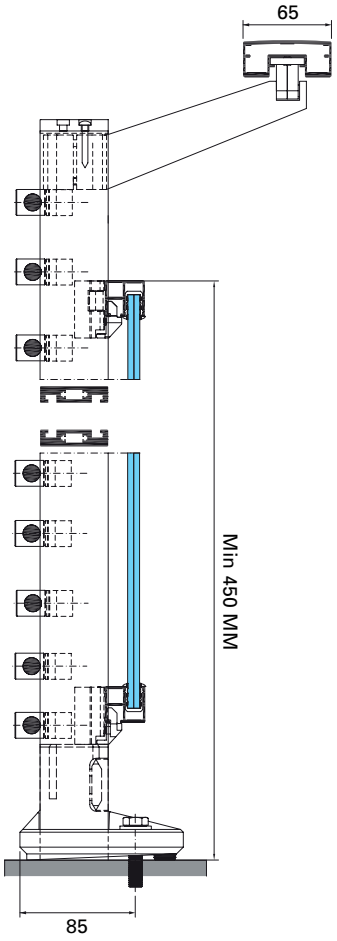


Spaced posts

Handrail and full-height rectangular midrails and glass bottom section infill



Full-height stainless steel rods with glass bottom section and offset handrail infill

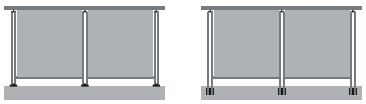


Applications

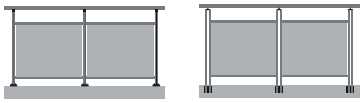
Examples of straight or raked balustrading configurations - Installation on a slab or slab nose

Straight running band aspect

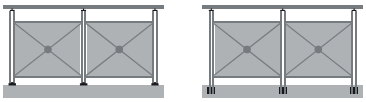
Beneath the handrail



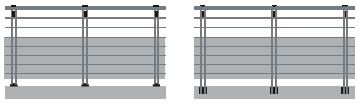
Beneath the midrail



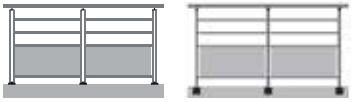
With embellishment



Cables and glazing infill

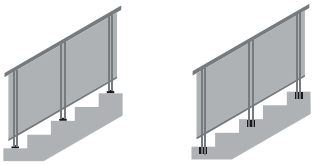


Midrails and glass bottom section

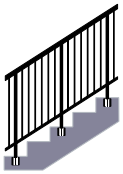


Raked panels

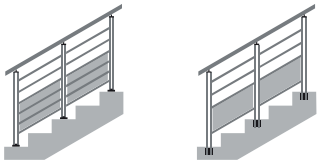
Running band aspect beneath the midrail



Balustrade beneath the handrail

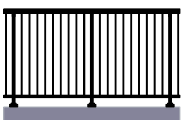


Balustrade beneath the midrail

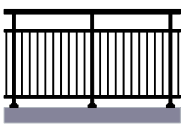


Balustrade uprights

Beneath the handrail

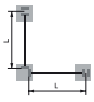
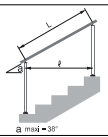
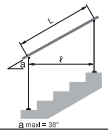


Beneath the midrail



Performance

Scope of use = maximum distance between posts

	Private place	Public place
	1600 mm	930 mm
	1600 mm	930 mm
	1800 mm	1550 mm
	1600 mm	930 mm
	1600 mm	930 mm
	1600 mm	930 mm
	1600 mm	930 mm

COMPLIANCE

- 78 tests carried out on 47 applications in public and private places as part of updates in accordance with the standard NFP 06-111-2/A1 of the Eurocode for horizontal loads as well as the validation by the CEBTP of all applications of running band aspect railings as part of the latest changes to DTU39 in relation to glazed railings.

Materials and parts

As with all Technal systems, only the best materials and components are used to minimise maintenance and ensure long-term performance.

- Aluminium profiles are extruded from 6060 T5 EN 12020, EN AW6060 and 6005A.
- Fittings are cast from Zamak 5 or AS13.
- All gaskets are EPDM or TPE (Thermoplastic elastomer).
- Screws are made from stainless steel.

Finishes and colours

A wide range of finishes and colours is available to meet individual project requirements, enhancing existing buildings and offering architects and designers greater design freedom:

- Natural anodised in accordance with EN 123731: 2001.
- Polyester powder coating finishes in a wide range of colours in accordance with "QUALICOAT".
- GYPSE is also available in lacquered finishes with exclusive Technal colours for a stylish and contemporary look.

Photographer: Patrick Loubet

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