GYPSE
TRADITIONAL
BALUSTRADE

Photography: V. Bigeard
GYPSE
/ A BALUSTRADE SYSTEM WITH COUNTLESS OPPORTUNITIES AND MINIMALIST LINES

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 materials: 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.
**PERFORMANCE**

- Standard compliance: 78 PV testing available (meets latest standards for horizontal loads and glass infills).
- Several patents.

**REFINED AESTHETICS**

- Simple design without visible fixing.
- A single symmetrical post 50 x 24 mm means a reversible appearance when used for straight runs and corners.
- Handrail options are rectangular 27 x 65 mm, 35 x 65 mm, 30 x 85 mm; round 50-mm diameter, or supports for timber handrails.
- Round, 30-mm diameter or rectangular midrails and bottom rails hold infills (sheet, glass, or composite panels).
- Discreet handrail and midrail brackets
- Installation options: slab, slab nose, front-face panel, between walls and base wall.
- Base plates with one or two fixing points.

**INFILLS AND DESIGN STYLES**

- Infills can be positioned on the outside face, inside face, or between the posts.
- Wide variety of infill options: vertical railings and running band beneath midrail, and running band beneath midrail with St Andrew’s cross or “steamship” versions; glass, sheet metal, etc.
- Mix of materials: aluminum, wood, glass and composite panel.
- Also for separating balconies, swimming pool safety barriers.

**KEY FEATURES AND INNOVATIONS**

- Performance:
  - Standard compliance: 78 PV testing available (meets latest standards for horizontal loads and glass infills).
  - Several patents.

- Refined Aesthetics:
  - Simple design without visible fixing.
  - A single symmetrical post 50 x 24 mm means a reversible appearance when used for straight runs and corners.
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- Infills and Design Styles:
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  - Wide variety of infill options: vertical railings and running band beneath midrail, and running band beneath midrail with St Andrew’s cross or “steamship” versions; glass, sheet metal, etc.
  - Mix of materials: aluminum, wood, glass and composite panel.
  - Also for separating balconies, swimming pool safety barriers.
RANGE OF INFILLS

- Vertical rails beneath handrail
- Running band beneath midrail with St. Andrew’s cross
- Vertical rails beneath midrail
- ‘Steamship’ running band
- Glass infill beneath handrail
- Glass infill beneath midrail
- Running band beneath midrail with glass infill
- On base wall
CORNER RETURNS, LATERAL BRACKET

- A unique post to ensure 90° returns and straight sections.
- Wallmount bracket accommodates angle ± 10° and dimension variation between walls ± 15 mm.

RAKED SECTIONS

- Raked option from 0° to 38°.
- Bracket for handrail and mid rail is articulated to create corners.
- Predrilled midrail for raking 27° to 38°.
- Applications and models for straight balustrading apply to raked versions.
HANDRAILS AND BASEPLATES

HANDRAILS WITH END CAPS

Round 50-mm diameter handrail

Clipped rectangular 35 x 65-mm handrail

Clipped rectangular 30 x 85-mm handrail

Clipped rectangular 21 x 60-mm handrail

Clipped rectangular 36 x 65-mm handrail

BASEPLATES

Slab-fixed 1-point fixing

2-point fixing

Slab-fixed infill in front of slab

On base wall
SECTIONS

VERTICAL RAILINGS BETWEEN POSTS

VERTICAL RAILING ON FACE OF POSTS

RUNNING BAND ST ANDREW’S CROSS

RUNNING BAND ‘STEAMSHIP’
As with all Technal systems only materials and components of the highest quality are used for minimum maintenance and long-term performance.

- Aluminium profiles are extruded from alloys 6060 Building compliant with EN 12020, EN 573-3, EN 515 and EN 775-1 to 9.
- Accessories are cast from Zamak 5 or AS13.
- Screws are stainless steel.

A wide range of finishes is available to meet individual project requirements, complement existing buildings and offer additional design freedom for architects and specifiers:

- Stoved polyester powder coating in a wide colour range in accordance with “QUALICOAT”.
- GYPSE is also available in painted finishes with Technal’s exclusive colours for a stylish and contemporary look.

| Compliant |  
|---|---|
| NFPA 06-111-2 /A1 Eurocode for horizontal loads and validation by CEBTP for all running band balustrading applications | to DTU39 for glazed balustrading systems |
| 78 tests carried out on 41 applications in public and private spaces | to the current standard |

### PERFORMANCE

**LIMITS = MAXIMUM DISTANCE BETWEEN POSTS**

<table>
<thead>
<tr>
<th>Private</th>
<th>Public</th>
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</thead>
<tbody>
<tr>
<td>Infills (glass, sheet metal)</td>
<td>Railings</td>
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<tr>
<td>1600 mm</td>
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<td>1800 mm</td>
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