

Apex™ Vertical Picket Railing System

Pre-engineered, modular, aluminium picket post balustrade system suitable for interior and exterior applications.



Application

- Single or multi-dwelling units.
- Offices and industrial buildings.
- Schools.
- Health care.
- Assisted living facilities.
- Public buildings.

Description

Pre-engineered, modular aluminium and stainless picket post balustrade system suitable for interior and exterior applications.

Features and Benefits:

- Comprised of 13 x 51mm rectangular posts and top rails finished customers specification. Additional, optional handrail can be mounted to posts in either brushed stainless steel or a selection of hardwoods that can be a natural finish or stained to match other interior wood finishes.
- Mounting plates provided for surface and side / fascia mounting, which can be installed early in the construction phase or at the time of balustrade installation, allowing balustrade to connect easily for a fast, safe method of installation.
- Hidden mechanical connections throughout minimize on-site assembly, requiring no welding or gluing and provide security after installation.
- Bends or mitred joints are factory prepared to tight tolerances ensuring quality of fit and finish.
- Manufactured from 6063-T6 grade aluminium for internal or external use. Optional handrail to be 1.4307 (304L) for internal use or 1.4404 (316L) grade stainless steel for external use.
- Handrail components are interchangeable with all HDI systems.
- Designed, engineered, and manufactured in accordance with BS 6180, BS 6399 and BS 8300.
- Quick, efficient installation.
- 25-year guarantee.

General information

Finish	Balustrade: Aluminium coated to customer requirements in select factory Colours Handrail: stainless steel supplied in a brushed (240-grain) satin finish
Material	Beech Birch Maple Oak 1.4307 (304L) Grade Stainless Steel 1.4404 (316L) Grade Stainless Steel
Size	13 x 51mm

	38 mm
WarrantyDescription	25 year guarantee.
Uniclass 2015	Ss 25 60 05 05 Balustrade and guarding systems Primary
CAWS	L30/55 Proprietary balustrades L30/560 Proprietary balustrades

Specification data - Balustrade and guarding systems Enhanced data

Newels	-
Material	6063-T6 Aluminium 1.4307 (304L) Grade Stainless Steel - internal 1.4404 (316L) Grade Stainless Steel - external
Infills	Aluminium, powder coated pickets Configuration: In-line with post centres.
Rails	-
Handrails (optional)	1.4307 (304L) Grade Stainless Steel - internal 1.4404 (316L) Grade Stainless Steel - external Solid wood/Stainless steel
Base rails	Aluminium bar 6063-T6
Fixing to parent structure	Core mounted spigot fixing with cover plate Side mounted to steel or concrete with plate fixing

Product Options

Top rail:

- Dimensions:

- Aluminium bar: 13 x 51 mm.

Handrail (optional):

- Dimensions:

- Stainless steel tube 38mm dia
- Solid wood 38mm dia.

- Material:

Wood species:

- Kiln dried as standard.
- Other species and finishes available on request (a sample must be submitted for finish required).
- Wood rail attaches to 9 x 13 x 203 mm stainless steel bar at supports and connections.

Infill:

- Type:

Vertical pickets: Vertical posts connected to top rail, bottom rail and pre-install mounting plate. Gaps between pickets to be 100mm.

Picket Posts:

- Spacing:

Maximum post spacing: 100mm.

- Fixing:

Core mounted spigot fixing with cover plate: Post extends into hole in the concrete structure. Concrete minimum: Thickness 152 mm; 3000 psi; edge distance 79 mm.

Side/ top mounted to steel or concrete with plate fixing: Recommend fastening material: Chemical or mechanical anchor 13 mm wood lag or through-bolt.