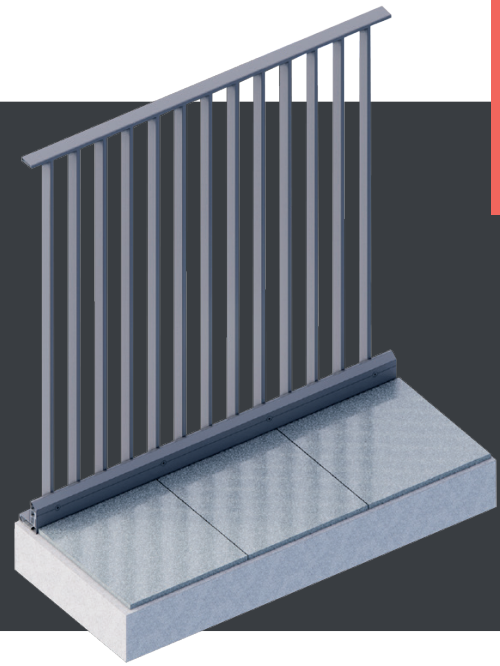


VMR TOP

Aluminium Balustrade

www.fortepespa.ie



VMR TOP is an Aluminium Vertical Metal Rail Balustrade system, with a top fixing, engineered from durable, non-combustible, low-carbon aluminium.

This balustrade seamlessly integrates with all Alumexperts decking, soffits and drainage systems, ensuring both functionality and aesthetic appeal.

Product Specification

BOARD: Alcoa aluminium allow 6063A, the lowest carbon footprint billet! With greater strength retains the same good surface finish qualities and affinity for anodizing.

Our products are manufactured under ISO 14001 and ISO 50001, ensuring our commitment to effective environmental management and sustainability.

ALUMINIUM GRADE: 6063A – Low Carbon.

FINISH: Interpon Qualicoat Class 1 & 2 Performance. Qualiticoat coating material compliant with BS EN 12206:2021.

POWDER COATING: 60–70 microns. Interpon D Texture ISR coating provides corrosion protection and chemical resistance, designed for exterior exposure with good weather resistance from just one application. The coating sustains a longer lifespan.

FIRE RATING: A2-s1, d0.

Colour Range



📍 Greenogue Business Park, 623 Jordanstown Avenue,
Jordanstown, Rathcoole, Co. Dublin, D24 A9RW

☎ +353 1 6265197 ✉ info@fortepespa.ie [in](#)



Benefits

FIRE SAFETY

- Meets international fire safety standards for various buildings.
- Fire resistance A2ISD0.

NO ROTTING ISSUES

- Prevents rotting, enhancing safety, appearance, and longevity.

LIGHTWEIGHT BUILD

- Easier to handle, install, and replace due to lightweight aluminum.

SUSTAINABILITY

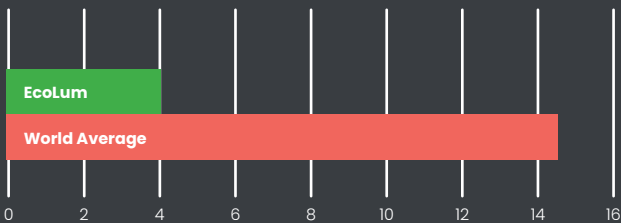
- Contains no VOCs, making it eco-friendlier than liquid coatings. Up to 70% lower carbon than 6063 T6.

COMPONENTS INTEGRATION

- All AlumExperts products are integrated and can fit any balcony design and terraces.
- Easy installation, even over existing subframes.

Our Aluminium vs the rest

Average global CO2e emissions per ton aluminium*



* Source: Average data per CRU Aluminium Cost Model 2020 and CRU Bauxite and Alumina Cost Model 2020.



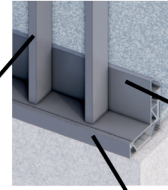
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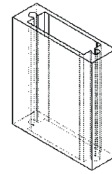
VMR TOP

Aluminium Balustrade

VMR TOP

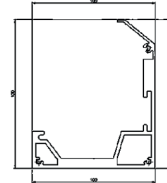


VMR TOP



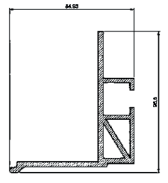
LENGTH: 4000 & 6000mm
WIDTH: 50mm
DEPTH: 15mm

TOP FIX 1A



LENGTH: 4000 & 6000mm
WIDTH: 100mm
DEPTH: 12mm

TOP FIX 1B



LENGTH: 4000 & 6000mm
WIDTH: 84.93mm
DEPTH: 96.5mm

Coating Tests

Environmental and Durability Tests

Test	Standard
Acetic acid salt spray	ISO 9227
Constant humidity	ISO 6270-2
Sulphur Dioxide	ISO 22479
Permeability	EN12206-1 Par. 5.10
Chemical Resistance	N/A
Mortar Resistance	EN12206-1
Accelerated Weathering	ISO16474-2 (1000 hrs) ISO11507:QUV B 313 (300 hrs)
Exterior durability	ISO2810 (1 year)
Chalking	ASTM D4214-07

Mechanical Tests

Test	Standard	Result
Flexibility	ISO 1519	Pass 5mm
Adhesion	ISO 2409	Gt0 (2mm crosshatch)
Erichsen Cupping	ISO 1520	Pass 5mm
Impact Resistance	ISO 6272-2	Pass 2.5 Joules (reverse & direct, 20 in lb)
Buchholz Hardness	ISO 2815	>80

Warranty

30 years against cracking, warping, rotting, and any material or manufacturing flaws.

60 years design life.

