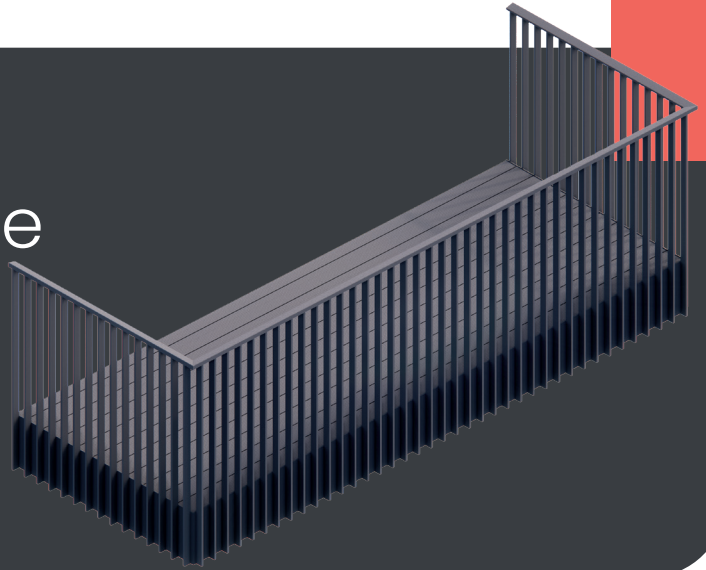


VMR **SIDE**

Aluminium Balustrade

www.fortepespa.ie



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

This is a 15x50mm rails balustrade, sloped handrail with no visible fixings or welding. This balustrade seamlessly integrates with all Alumexperts decking, soffits and drainage systems, ensuring both functionality and aesthetic appeal.

Product Specification

BOARD: Alcoa aluminum alloy 6063A, the lowest carbon footprint billet! Our products are manufactured under ISO 14001 and ISO 50001, ensuring our commitment to effective environmental management and sustainability

ALUMINIUM GRADE: 6063A – Low Carbon Footprint.

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
Any RAL Available



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

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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

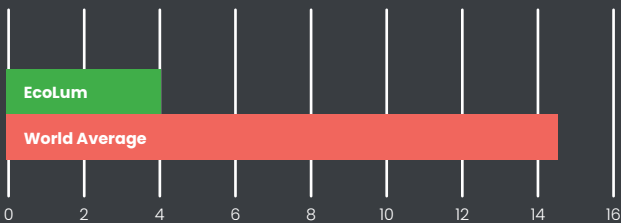
- All AlumExperts products are integrated and can fit any balcony design and terraces.
- Easy installation, even over existing subframes.

FINISHING

- Aluminium balustrades offer an exceptional finish and aesthetic appeal due to their smooth texture, wide range of colour options, and versatile design.

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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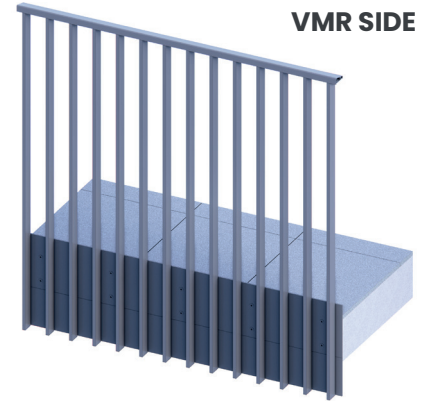
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VMR SIDE

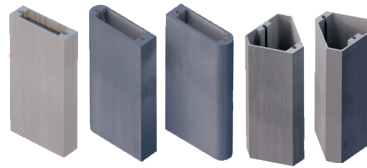
Aluminium Balustrade

BALUSTRADE DIMENSIONS

LENGTH: 4000 & 6000mm
WIDTH: Cut To Size
DEPTH: Cut To Size
SPINDLE: 15mm x 50mm



SPINDLE OPTIONS



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	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

Loading Tests

Tests	Standard	Result
0.75KN Load	EN 1991-1:2002	Compliant

Warranty

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

60 years design life.

