

VMZ Composite

Composite zinc panels for ventilated cladding and curtain walls.

Data sheet

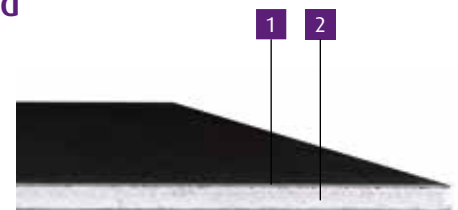


Advantages

Exceptionally flat
 Exclusive large dimensions for zinc
 Dimensional stability and exceptional rigidity
 Suitable for complex shapes (can be formed and bent easily)
 The elegance of zinc.

Applications

Flat facades for all types of buildings, especially commercial and collective housing buildings.
 Suitable for new constructions and renovations.



- 1 0.5 mm zinc sheets
- 2 FR* Polyethylene layer

Components

VMZ Composite Multilayered panels made up of two sheets of zinc that are 0.5 mm thick and thermo-glued to either side of a mineral-rich polyethylene core for optimum reaction to fire.

Technical data

Exclusive large dimensions

Maximum width	1,000 mm *
Standard length	2,000 mm - 3,000 mm - 4,000 mm
Lengths to order	up to 6,000 mm

* 1,250 mm on request solely in QUARTZ-ZINC® in 0.7 mm thickness.

Characteristics of panels

Surface aspects	QUARTZ-ZINC®, ANTHRA-ZINC®, PIGMENTO®
Thickness of zinc	0.5 mm
Inner layer	mineral-rich polyethylene (FR)*
Overall thickness	4 mm
Moment of inertia	0.39 cm ⁴ /m
Density of composite	12 kg/m ²
Expansion coefficient	2.2 mm per 100°C

* Fire Retardancy

Area of use

Installation VMZ Composite can be installed in panels fixed with rivets or screws, in vertical cassettes or in horizontal cassettes.

Authorised supports Installation on a connected aluminium substructure fixed to brickwork, concrete or metal supporting structures. Ventilated support (38 mm minimum air space).

Types of facade To be installed on flat, vertical supports or on under-surfaces.

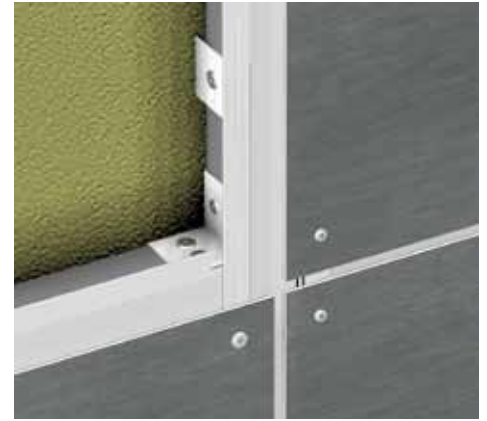
Climates All wind regions.

Reference documents

EN 988 standard European standard pertaining to the quality of zinc, copper and titanium.

The sole objective of this document is to describe the main technical features of VMZINC® products manufactured by Umicore. Specification and installation of these products remains the exclusive competency of building professionals who must ensure that the use of these products is adjusted to the construction in question and compatible with the other products and techniques used. Specification and installation of the products implies compliance with current norms and recommendations of the manufacturer. In this respect, Umicore publishes specification and installation guides that are regularly updated for specific geographical zones, and also organises training courses. All details may be obtained on request from the local VMZINC® team. Umicore may not be held responsible for any specification or use that does not comply with these norms, recommendations and practises.

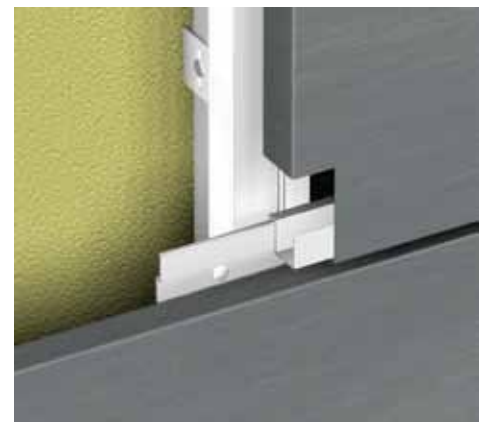
Panels fixed with rivets or screws



Cassette systems: vertical cassettes



Cassette systems: horizontal cassettes



Further information on VMZINC®

Standard or customised descriptions, references, specification and installation guide on www.vmpzinc.co.uk

VMZINC