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

<table>
<thead>
<tr>
<th>Exclusive large dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum width: 1,000 mm *</td>
</tr>
<tr>
<td>Standard length: 2,000 mm - 3,000 mm - 4,000 mm</td>
</tr>
<tr>
<td>Lengths to order: up to 6,000 mm</td>
</tr>
</tbody>
</table>

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

Characteristics of panels

<table>
<thead>
<tr>
<th>Surface aspects</th>
<th>QUARTZ-ZINC®, ANTHRA-ZINC®, PIGMENTO®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness of zinc</td>
<td>0.5 mm</td>
</tr>
<tr>
<td>Inner layer</td>
<td>mineral-rich polyethylene (FR)*</td>
</tr>
<tr>
<td>Overall thickness</td>
<td>4 mm</td>
</tr>
<tr>
<td>Moment of inertia</td>
<td>0.39 cm²/m</td>
</tr>
<tr>
<td>Density of composite</td>
<td>12 kg/m²</td>
</tr>
<tr>
<td>Expansion coefficient</td>
<td>2.2 mm per 100°C</td>
</tr>
</tbody>
</table>

* 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.