Solano® has been specially developed to combine robustness and longevity.

- excellent corrosion resistance thanks to a 200 µm thick robust and flexible paint
Solano® offers reinforced protection to the building envelope. With its advanced paint technology, Solano® is a range of plastisol organic pre-finished steels for roofing and cladding suitable for more aggressive industrial applications in harsh, corrosive environments.

- Excellent corrosion resistance
- ‘Self-healing’ paint properties - an advantage when handling the product
- 5 embossed designs featuring a range of patterns and textures

Few materials are as colourful and versatile as Solano®. As a cladding for walls and roofs, Solano® is at the forefront of the battle against the elements from heavy industry to high-rise housing.
Applications

Solano® is built to last. Whatever the building is, Solano® extends the lifetime of its envelope. This is why Solano® is one of the most widely used coated steels throughout Northern Europe for a range of commercial and industrial buildings.

Solano® steels can be processed by bending, cold roll forming and deep drawing without damaging the top surface. They can also be assembled with joining techniques such as clinching, riveting and adhesive bonding. The thermoplastic paints provide high surface robustness and ease of handling during envelope construction.

Thanks to all these properties, Solano® can be used for both roofing and facade building systems: cassettes, profiles and sandwich panels.

Aesthetics

ArcelorMittal’s Solano® range of organic coated steels is available in a rich diversity of colours and 5 patterns. To help you make your choice, ArcelorMittal offers a wide range of colours to suit your taste and your budget. Diversity and originality will be your trademark.

Further colours are available on request.

Solano® specification area

Solano® can be specified for use in Northern and harsh climatic environments, within the area shown below.
Performance

To demonstrate its performance under different conditions, the Solano® range has been subjected to aggressive laboratory and outdoor testing.

Solano® is designed in accordance with ArcelorMittal’s sustainable development policy.

Corrosion resistance

Following subjection to 1000 hours of salt spray testing, Solano® on galfan ZA265 shows excellent corrosion resistance on scratches.

Technical data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.4 to 1.2 mm (up to 1 mm for S320GD)</td>
</tr>
<tr>
<td>Width</td>
<td>700 mm to 1500 mm (dependent on thickness)</td>
</tr>
<tr>
<td>Coating</td>
<td>200 µm thick paint system on metallic substrate ZA265 or equivalent Z coating</td>
</tr>
<tr>
<td>UV resistance</td>
<td>up to RUV4</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>up to RC5</td>
</tr>
<tr>
<td>Fire performance</td>
<td>European standard (EN 13501–1) A1 Cs2d0</td>
</tr>
<tr>
<td></td>
<td>French standard (FD P92–507) MO</td>
</tr>
<tr>
<td></td>
<td>British standard (BS 476) AA</td>
</tr>
<tr>
<td>Certifications</td>
<td>BBA, SP (SITAC), CSTB</td>
</tr>
<tr>
<td>and compliance</td>
<td></td>
</tr>
</tbody>
</table>

Full technical details are available online. Scan the QR code below.

How to specify this material

Organic coated steel with paint coating thickness 200 µm, on a metallic steel substrate from Z225 to ZA265 ‘galfan’ or equivalent (by ArcelorMittal or equivalent).

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