Granite® HDX is manufactured to perform, endure and remain colour stable and attractive even in the coldest of northern climates or the most sun-drenched of southern countries.

- extended performance lifetime, supported by a guarantee of up to 30 years
- aesthetic colour palette and metallic shades with outstanding colour and gloss retention
- robust metallic substrate (Z225 to Z275 or equivalent) for high corrosion resistance and cut-edge protection
- grained product for surface hardness and excellent robustness for handling and processing
Granite® HDX organic coated steel is a tough, but highly attractive and versatile product that will help the full spectrum of external construction projects look better and last longer.

In fact, we guarantee it - for up to 30 years.
Applications
Granite® HDX is ideal for roofing and external facades and is more than capable of dealing with harsh, cold northern and sunny southern climates and environments, including:
- Cold and wet environments
- Coastal regions (as close as 300 m to the sea)
- Sunny regions with strong UV radiation, such as Africa, The Middle East or The Caribbean
- Industrial and polluted areas
Granite® HDX can be formed into sandwich panels, cassettes, profiled sheets, solar shading elements and fins, blades or other narrow profile elements.

Aesthetics
ArcelorMittal’s Granite® HDX is available in a rich diversity of colours – one of the outstanding advantages of organic coated steel. To help you make your choice, ArcelorMittal offers a wide range of colours to suit your project. Other colours are available on request.

All Granite® HDX colours have a grained, satin finish with 30 GU (glass unit - Gardner 60°) but are also available in matt. When ordering metallic colours, clients should always place an order for the whole building at the same time, or at least for a whole facade. It is also essential to ensure that the material is mounted the right way up.

Performance
High UV and corrosion resistance, very good colour stability, robust surface coating, suitable for buildings exposed to harsh climatic or environmental conditions.

To ensure the best, most consistent quality of Granite® HDX, line products are regularly tested and subjected to outdoor exposure by independently certified bodies.

Technical data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.37 to 2.0 mm</td>
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<tr>
<td>Width</td>
<td>660 mm to 1500 mm (dependent on thickness)</td>
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<tr>
<td>Paint coating thickness</td>
<td>55 µm</td>
</tr>
<tr>
<td>Metallic coating</td>
<td>Z225-Z275 (or equivalent)</td>
</tr>
<tr>
<td>UV resistance</td>
<td>RUV4</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>RC5</td>
</tr>
<tr>
<td>Fire performance</td>
<td>European standard (EN 13501-1) A1</td>
</tr>
<tr>
<td></td>
<td>French standard (FD P92-507) M0</td>
</tr>
<tr>
<td></td>
<td>British standard (BS 476) AA</td>
</tr>
<tr>
<td>Guarantee</td>
<td>Up to 30 years</td>
</tr>
</tbody>
</table>

Full technical details are available online. Scan the QR code on the back cover.
Automatic guarantees

Why choose Granite® HDX?

- Automatic guarantee, no administrative formalities
- Guaranteed up to 30 years
- Guaranteed up to 15 years as from 300 m from the coastline

Our automatic guarantees are offered in many countries in Western and Eastern Europe, as shown above. For other geographical zones, guarantees may be granted as well – do not hesitate to contact ArcelorMittal.

These guarantees don't require completion of a lengthy questionnaire. According to product type and location, a guarantee will automatically be assigned to the beneficiary.

The very robust paint coating system that Granite® HDX features offers guarantees of up to 30 years.

In extreme environments, even down to as little as 300 m from the coastline, Granite® HDX is guaranteed for up to 15 years. In regions of intense sunlight, guarantees are for up to 15 years.

For analysis of your specific area and requirements, please don’t hesitate to contact ArcelorMittal.

How to specify this material

Organic coated steel for severe environmental conditions with RCS corrosion resistance class, paint coating thickness 55 µm and fire performance A1 (Granite® HDX by ArcelorMittal or equivalent).
Granite® Silky Mat offers two finish options: a warm, tactile surface with a slightly sparkling textured appearance combined with very low gloss levels (below 5 gloss units [GU]), and a smooth, slightly grained finish – both ideal for smart and creative facades.

- elegant matt textured or smooth finishes suitable for all facade requirements
- robustness and scratch resistance
- excellent formability
- extensive range featuring 2 finishes and 11 individual colours
- the visual aesthetics of Granite® Silky Mat are so unique that we have protected the design through the Office for Harmonisation in the Internal Market (OHIM)*

*Community Design No. 0002172401 in the name of ArcelorMittal Flat Carbon Europe, S.A
Granite® Silky Mat

Granite® Silky Mat has been subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

The product benefits from the ArcelorMittal automatic guarantee of 10 years, and longer guarantees can be granted for specific projects.

**Forming**
Granite® Silky Mat is suited to all types of forming used for facade systems and fully adapted to sandwich panel manufacture.

**Colours**
ArcelorMittal’s Granite® Silky Mat range of coated steels is available in 11 colours.

To help you make your choice, the Granite® Silky Mat sample card in the Steel inspiration binder, contains real, removable samples and shows the full colour range. Further colours are available upon request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Silky Mat colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

**Technical data**
- **Thickness**: 0.5 to 2.0 mm
- **Width**: 610 mm to 1500 mm (dependent on thickness)
- **Paint coating thickness**: 35 µm
- **Metallic coating**: 2225 - 2275g/m² or equivalent
- **Corrosion resistance**: RC3
- **UV resistance**: RL/4
- **Fire performance**: A1 in accordance with EN 13501-1
- **Guarantee**: Automatically for 10 years. Up to 15 years for specific projects.

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

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   Access the full range of ArcelorMittal brochures, catalogues and technical data.

**Design and Technical support**
We want to develop a dialogue with you, so for anything you can’t find above or for comprehensive technical support, please e-mail our Customer Technical Support team.

steel.envelope@arcelormittal.com
The Granite® Impression range contains uniquely textured and tactile surface finishes that bring innovative and fresh visual scope to the external facade.

The textures have been carefully designed, making the products ideal for both large and small-scale surfaces.

- amazing new finishes and textures
- excellent scratch resistance
- hard, mineral surface
- the ground-breaking new aesthetics are so unique that we have protected the designs through the Office for Harmonisation in the Internal Market (OHIM)*

*Community Design Nos. 002272401 and 002347245 in the name of ArcelorMittal Flat Carbon Europe, S.A
Granite® Impression

Performance
Aesthetics do not come at the expense of performance with Granite® Impression, which has a robust, yet flexible paint system, making it scratch-resistant, durable and formable.

Granite® Impression is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Forming
Granite® Impression is suited to all types of forming for façade systems: cassettes, sandwich panels or corrugated profiles.

Colours
ArcelorMittal's Granite® Impression range of coated steels is available in 3 distinctive patterns, each a different colour.

To help you make your choice, the Granite® Impression sample card in the Steel inspiration binder, contains real, removable samples and shows the full colour and pattern range.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Impression pattern/colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data
- Thickness 0.29 to 1.8 mm (dependent on width)
- Width 600 mm to 1500 mm (dependent on thickness)
- Paint coating thickness Agate Green and Brown ~ 35 µm
  Snake and Elephant ~ 45 µm
- Metallic coating 2225-2275 or equivalent
- Corrosion resistance RC3
- UV resistance RUV4
- Fire performance A1 in accordance with EN 13501-1
- Guarantee 10 years

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

How to specify this material
Organic coated steel with amazing finishes and a paint coating thickness of 35 µm (Agate Green and Brown) 45 µm (Snake and Elephant), free of hexavalent chromium and heavy metals (Granite® Impression by ArcelorMittal or equivalent).

Applications
Granite® Impression has been specially developed for prestige architectural facades, but can also be used for a variety of other applications. It can be formed into sandwich and cassette panels, profiled sheets, solar shades and fins, blades and other slim profile elements.

A dedicated and flexible logistics and manufacturing offer has been introduced for Granite® Impression allowing the production of small coils – a minimum of 5 tonnes per reference (depending on the thickness) or roughly 1000 m² at 0.6 mm thickness – to suit specific project requirements.

Aesthetics
Patterns and textures inspired by nature that make your building unique, whilst simultaneously integrating beautifully with the built environment.

- Snake: like snake skin, covered with scales, of various shapes and sizes, this pattern offers random scales of various hues and varying longitudinal forms, all clearly visible. The scaled surface diffractions light and gives a strong shiny appearance. This pattern creates a structural surface that generates a powerful impression on any building.
- Elephant: like the skin of an elephant, a very tough-looking and wrinkled appearance. This pattern creates a structural surface that generates a powerful impression on any building.
- Agate Green and Brown: like Agate – a microcrystalline variety of silica characterised by its fineness of grain and brightness of colour – our Green and Brown Agate finishes feature polished patterns, giving the impression of inlays of iron oxide. The unusual mineral beauty of these two hues give the facades a rich, prestige appeal.

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2 Project: Courthouse of Grenoble, France Architect: © Claude Vasconi Photography: © Philippe Ruault
3 Project: Société Turboméca, groupe Safran, Sise de Bordes, Bâtiments Joseph Szydlowski, France Architect: © Brunerie & Irissou, architectes Photography: © Follet Visuels

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Indaten® weathering steel evolves with its environment, changing and developing on a daily basis – always improving, always protecting.

- no painting or chemicals necessary to protect the material
- beautiful and ever-changing appearance
- natural protection against corrosion
- lower maintenance costs
- eco-friendly and 100% recyclable
- high longevity
Like a fine wine, Indaten® weathering steel is enriched by air and enhanced with age. When exposed to the natural environment, Indaten® develops a beautiful patina that serves as protective armour.

Indaten® belongs to the same group of steel alloys as the well-known Cor-Ten steel (with ASTM international standards) and offers the same levels of performance.

As a maintenance-free material that can last for 80 years, Indaten® weathering steel has been the product of choice for buildings, bridges and sculptures since 1930 and has been used extensively on a range of fine architectural projects that have an on-going ‘visual dialogue’ with their environment, changing and improving as time goes by.

Left Project: Campus Vesta, Emblem, Belgium Architect: © STRAMIE, Architectuur en Ruimtelijke Planning cvba Photography: © Chak Lopez
Right Project: Multisports stadium, Cannes la Bocca, France Photographer and architect © Roberto Ferreira, RFArq, Barcelona
Applications
Indaten® can be made into flat cassettes or curved panels. It can be used for facades, steel structures, fences and barriers, bridges, architectural and sculptural objects as well as for interior applications. It is easily formable, can be perforated, embossed with patterns or given combinations of finishes.

Aesthetics
Indaten® develops its patina following exposure to the atmosphere. The first oxide layer appears within a few weeks, with the final colour being achieved within one to two years. The finish can last, without maintenance, for at least 80 years.

The primary alloying material in weathering steel is copper, at concentrations up to 0.55%. The copper produces a homogeneous and regenerating protective layer over the surface, which slows corrosion, ensures the integrity of the underlying steel and creates the beautiful, natural patina.

The development of the patina
The patina's appearance depends on time, the average temperature of exposure and exposure to moisture. The appearance is also influenced by such things as the concentration of SO₂ or chloride content in the air. For example, when used in an industrial environment, the patina tends to develop a darker colour than when used in rural areas.

Indaten® is supplied unweathered but over time, the patina will transform from its red-orange colour to a dark, purplish brown colouration. Although the process can take up to two years, it can be accelerated with sandblasting and, to ensure a homogeneous development of the patina, sandblasting by specialised sub-contractors is recommended.

Performance
Properly installed, Indaten® is a material that has a symbiotic relationship with its environment – natural environmental processes improve Indaten® and Indaten® improves the environment, requiring no maintenance for up to 80 years.

Welding and joining
Indaten® 355A (hot rolled steels) enjoys excellent performance using all common welding processes. However, when using weathering steel, specific fasteners are required. It is highly recommended that you avoid having your weathering steel come into contact with aluminum, copper, zinc or stainless steel. Always use an elastomer to prevent contact between the bolt and the panel. The ideal solution is to use fasteners also made of weathering steel.

Functionality
The protective layer appears when the steel surface is exposed to an alternately wet/dry environment. Building an optimal protective layer greatly limits corrosion rates and prevents a reduction of the steel's overall thickness (see graph below).
**Technical data**

<table>
<thead>
<tr>
<th>Product</th>
<th>Indaten® 355A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>2.0 - 5.0 mm</td>
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<tr>
<td>Max. coil width</td>
<td>(dependent on thickness) 1880 mm</td>
</tr>
<tr>
<td>Fire performance</td>
<td>European standard (EN 13501-1) A1</td>
</tr>
<tr>
<td></td>
<td>French standard (FD P92-507) M0</td>
</tr>
<tr>
<td></td>
<td>British standard (BS 476) AA</td>
</tr>
</tbody>
</table>

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

**Standards compliance**

Indaten® satisfies the requirements for EN 10025-5:2005.

**Specification considerations**

In your design, be sure you avoid:
- Permanent humidity and condensation
- Extreme industrial atmospheres
- Corrosive fumes
- Marine environments
- Contact with de-icing salt

Additionally, to maintain the material's excellent aesthetics, proper management of run-off water is required to avoid staining (e.g. using gutters, drainpipes etc). When using weathering steel, always use specific fasteners.

**How to specify this material**

Weathering steel, developing patina during exposure to the atmosphere (Indaten® 355A by ArcelorMittal or equivalent).

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**Project:** Metal Structures Centre, Zwijnaarde Technologiepark, Belgium  
**Architect:** Patrick Lefebvre, Archipl Architecten  
**Photography:** © Roger Hubert, ArcelorMittal

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**Project:** Théâtre de l’Archipel, Perpignan, France  
**Architect:** Ateliers Jean Nouvel & Brigitte M etra Associées  
**Photography:** © Philippe Ruault

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**Project:** Théâtre de l’Archipel, Perpignan, France  
**Architect:** Ateliers Jean Nouvel & Brigitte M etra Associées  
**Photography:** © Philippe Ruault

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**Project:** FNEL Luxembourg headquarters  
**Architect:** hsa – heisbourg strotz architectes, Luxembourg  
**Photography:** © Gilles Martin

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Aluzinc® Florelis is the perfect combination of strength and beauty making it an outstanding product in every way.
- Precision engineered aesthetics
- Stunning reflectivity against heat and light – up to 80% of sunlight
- Excellent reaction to fire
- Superior resistance to abrasion and weathering
- Flexibility for easy forming, profiling and other needs
- 25-year warranty – possible extension to 30 years on request
Aluzinc® Florelis is beautiful, flat carbon steel with a unique spangled alloy coating and has outstanding resistance to corrosion, even in highly aggressive environments.

Aluzinc® Florelis enhances and performs on facades and interiors, respecting both the environment and the natural beauty of steel.

Aluminium and zinc - fused in almost equal proportions - coat the steel with a unique silvery spangled coating, composed of aluminium (55%), zinc (43.4%) and a touch of silicon (1.6%) to achieve perfect harmony with the steel and a unique, glittering finish.
Applications
Exterior
A 25-year warranty, available in the construction sector, covers the resistance to perforation and rupture of Aluzinc® Florelis coating AZ185 due to corrosion. Completed buildings have demonstrated that Aluzinc® Florelis shows no sign of rust after 30 years in most environments.

Its excellent resistance to atmospheric oxidation also enables Aluzinc® Florelis to keep its natural colour and gloss.

Aluzinc® Florelis is a metallic coated steel, delivered pre-coated with Easyfilm® E protection, that can be used without further treatment, which can represent significant savings. Its excellent heat reflection performance means Aluzinc® Florelis also significantly contributes to climate control in the building.

Interior
Aluzinc® Florelis can be used for interior ceilings, walls or even as coverings for desks and other furniture. It is a high-performance and highly aesthetic material that is completely odour-free and has excellent fire resistance.

Aesthetics
Aluzinc® Florelis natural faceted and spangled silver finish lends an attractive aesthetic appearance to the steel sheet, which, thanks to the thin transparent layer of aluminium oxide on its top surface (part of the aluminium/zinc coating), will continue to shine over time.

Contemporary architecture demands absolute consistency, and Aluzinc® Florelis offers a guaranteed spangle number between 1,000 and 1,800 spangles/dm². With its clean and highly reflective lines, this helps give your project a razor-sharp and luminous aesthetic clarity.

Performance
Aluzinc® Florelis comes with an Easyfilm® E thin organic coating. This prevents fingerprinting and also reinforces the temporary protection of the material during transport and storage.

25-year warranty
Over 25 years of observations in test stations, over 25 years of manufacturing experience and over 25 years of continuous research and improvement have enabled us to give Aluzinc® Florelis coating AZ185 (with a 25-micron coating on each side) a 25-year warranty against perforation due to corrosion. An additional extension to the warranty to provide up to 30 years' cover can be achieved for specific projects.

This protection against corrosion, which is remarkable for an exclusively metallic coating, is the result of the combined action of aluminium and zinc (the zinc corrodes instead of the steel, a phenomenon known as sacrificial cathodic protection) ensuring a long-lasting resistance to corrosion and outperforming galvanised steels.

Fire performance
Aluzinc® Florelis is classified A1 (best in class), much higher than timber (B to E - dependent on the presence of flame retardants). In the event of a fire, Aluzinc® Florelis profiles will not propagate fire and will also resist to burning brands when submitted to external fire.

Technical data
- Thickness: 0.6 to 1.2 mm (up to 1 mm for steel grade S320GD)
- Metallic coating: AZ185 + Easyfilm® E
- Coating: Continuous hot dip double-sided aluminum/zinc coating with Easyfilm® E
- Steel grades recommendation: For bending operations like facade cassettes: DX51D or S220GD, S250GD, S280GD and S320GD; for roofing profiles: S280GD or S320GD; for drawing processes: DX54D or DX56D
- Fire performance: European standard (EN 13501-1) A1
- French standard (FD P 92-507) M0
- British standard (BS 476) AA
- Warranty: 25 years
- Certifications and compliance: SP (SITAC), CSTB, BBA, U, DIN 55928-B

Full technical details are available online. Scan the QR code on the back cover.
How to specify this material
Metallic coated steel, coated with zinc (43.4%) and aluminium (55%), 25 µm on each side and with a protective film (Aluzinc® Florelis by ArcelorMittal or equivalent).

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Smaller images, from left to right: 1. Project: Sports hall in Toulon, France Architect: © Jean Clouzanne Photography: © Hervé Abade

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Granite® Wood offers natural wood appearance and attractive finishes for a range of constructions and details.

There is a generous palette of wood grain textures, which have been thoroughly tested to the highest standards.

- attractive wood finishes with easy assembly and minimal maintenance
- better fire reaction than actual wood
- long-term colour stability
- wide variety of wood types available with guaranteed reproducibility
- the attractive appearance of timber but with the strength and durability of steel
Granite® Wood

Applications
Mainly designed for outdoor applications (façade), but can also be used for fascias and soffits.

Aesthetics
ArcelorMittal’s Granite® Wood range of organic coated steels is available in a rich diversity of authentic timber finishes, from fine-grained pale textures to richly grained, darker, hard woods.

Performance
Granite® Wood has the beauty of wood with the performance of steel and is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Granite® Wood benefits from the ArcelorMittal automatic guarantee against perforation and non-peeling of the paint film which will maintain the aesthetics of the building as if new.

Forming
Granite® Wood is suitable for profiling and deep drawing processes and can be assembled using joining techniques such as clinching, riveting and adhesive bonding.

Colours
ArcelorMittal’s Granite® Wood range of organic coated steels is available in a rich diversity of tones, woodgrains and colours. To help you make your choice, the Granite® Wood sample card in the Steel inspiration binder contains a real, removable sample and shows the full colour range. Further colours are available upon request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Wood colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.29 to 1.8 mm</td>
</tr>
<tr>
<td>Width</td>
<td>600 mm to 1500 mm (dependent on thickness)</td>
</tr>
<tr>
<td>Paint coating thickness</td>
<td>35 µm</td>
</tr>
<tr>
<td>Metallic coating</td>
<td>2225 g/m² or equivalent</td>
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<tr>
<td>UV resistance</td>
<td>RUV4</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>RC3</td>
</tr>
<tr>
<td>Fire performance</td>
<td>A1 in accordance with EN 13501-1</td>
</tr>
<tr>
<td>Guarantee</td>
<td>10 years</td>
</tr>
</tbody>
</table>

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

How to specify this material
Organic coated steel for outdoor applications, with paint coating thickness of 35 µm and fire performance A1 (Granite® Wood by ArcelorMittal or equivalent).

Sandwich panels
Profiled sheets
Cassettes and flat panels

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steel.envelope@arcelormittal.com
Solano® has been specially developed to combine robustness and longevity.

- excellent corrosion resistance thanks to a 200 µm thick robust and flexible paint
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.

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
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.

Area where Solano® can be specified
STEEL SPECIFICATION

Solano®

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>Value</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 and compliance</td>
<td>BBA, SP (SITAC), CSTB</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).

Granite® Deep Mat is an excellent, tough and attractive steel suited to most external construction for residential, commercial or industrial projects.

With its generous palette of deep textures and thoroughly tested to the highest standards, it adds an extra visual dimension to any project.

- strong aesthetics
- deeply matt appearance
- excellent formability
- excellent corrosion resistance
- up to 15 years’ guarantee
Granite® Deep Mat

Applications
External building applications: tiles, panels, sandwich panels, profiled panels etc.

Aesthetics
ArcelorMittal’s Granite® Deep Mat range of organic coated steels is available in a rich diversity of ArcelorMittal colours with a deep matt textured finish.

Performance
Granite® Deep Mat is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Up to 15 years’ guarantee is available (depending on the environment) on a Z225 g/m² steel substrate or equivalent. ArcelorMittal guarantees resistance against perforation of the metallic substrate and the non-peeling of the paint film.

Forming
Granite® Deep Mat is suitable for profiling and deep drawing processes, and can be assembled using joining techniques such as clinching, riveting and adhesive bonding.

Colours
ArcelorMittal’s Granite® Deep Mat range of organic coated steels is available in a rich diversity of textured colours. To help you make your choice, the Granite® Deep Mat sample card in the Steel inspiration binder, contains a real, removable sample and shows the full colour range. Further colours are available upon request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Deep Mat colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data

<table>
<thead>
<tr>
<th>Thikness</th>
<th>0.37 to 1.2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>610 mm to 1500 mm (dependent on thickness)</td>
</tr>
<tr>
<td>Paint coating thickness</td>
<td>35 µm or 40 µm available</td>
</tr>
<tr>
<td>Metallic coating</td>
<td>2225 – 275 g/m² or equivalent</td>
</tr>
<tr>
<td>UV resistance class</td>
<td>RUV3 (35 µm and 40 µm)</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>RC3 (35 µm), RC4 (40 µm)</td>
</tr>
<tr>
<td>Fire performance</td>
<td>A1 in accordance with EN 13501-1</td>
</tr>
<tr>
<td>Guarantee</td>
<td>Up to 15 years</td>
</tr>
</tbody>
</table>

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

How to specify this material
Organic coated steel, with a deep matt appearance and coating thickness of 35 µm or 40 µm and free of hexavalent chromium and heavy metals (Granite® Deep Mat by ArcelorMittal or equivalent).

We are here to help you
There is a wide range of online information available to help you discover more about our products and find solutions for your specific projects.

Visit industry.arcelormittal.com/steelenvelope to:

1. Order samples
   You can order A4 samples directly from our website.

2. Find a building system manufacturer
   Locate the Building System Manufacturer that best fits your needs

3. Find technical data and detailed catalogues
   Access the full range of ArcelorMittal brochures, catalogues and technical data.

Design and Technical support
We want to develop a dialogue with you, so for anything you can’t find above or for comprehensive technical support, please e-mail our Customer Technical Support team.

steel.envelope@arcelormittal.com

Cover large image: Photography: © ExSteel division of Steelway
Smaller images, from left: 1 Photography: © Pawel Pityl, courtesy of Budmat
2 Project: TIMBEX production facility in Skopje, Macedonia – own design and construction
   Photography: © FAREKS
3 Project: Residential House – courtesy of Pruszyński SP z o.o.

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Granite® Storm is a pre-painted steel for roofing applications offering superb robustness, thanks to a thick and flexible organic coating combined with an optimised metallic steel substrate. It is particularly specified for roofs where quality and durability are key assets.

Granite® Storm is an ideal alternative to the traditional tiled roof, as it offers the highest levels of durability. Thanks to Granite® Storm, roofs can be built to last for more than a generation, and are able to resist whatever nature throws at them.

- deeply textured matt finish
- long lifetime, up to 30 years’ guarantee
- excellent formability
- extensive colour range with unmatched UV resistance
Granite® Storm

Applications
Granite® Storm has been developed primarily for roof and tile panels but can be used for various other applications.

Aesthetics
A deeply textured robust matt finish (below 5 gloss units) available in 10 colours.

Performance
The Granite® Storm finish ensures maximum resistance to scratching both during handling and once installed, underwritten by a 30-year automatic guarantee. Granite® Storm is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Up to 30 years’ guarantee is available, depending on the environment, on a 2275 g/m² substrate or equivalent, against perforation of the metallic substrate. Non-peeling of the paint film is also guaranteed.

Forming
Formability is a key requirement for roofing tiles. Thanks to its highly flexible coating, Granite® Storm allows forming into both new and traditional designs. The paint system remains robust even after punching and forming. Granite® Storm is especially suitable for roofing panels but can be profiled in other ways by the deep drawing process or can be assembled using joining techniques such as clinching, riveting and adhesive bonding.

Colours
Granite® Storm’s high performance paint system provides exceptional UV resistance. This exceptional level of resistance for matt colours offers the roof unmatched colour stability. ArcelorMittal’s Granite® Storm range of coated steels is available in 10 textured colours. To help you make your choice, the Granite® Storm sample card in the Steel inspiration binder, contains a real, removable sample and shows the full colour range. Further colours are available upon request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Storm colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data
- Thickness: 0.45 to 1.2 mm
- Width: 600 mm to 1500 mm (dependent on thickness)
- Paint coating: 50 µm
- Metallic coating: 2275 g/m² or equivalent
- Corrosion resistance: RC5
- UV resistance: RUV4
- Fire performance: A1 in accordance with EN 13501-1
- Guarantee: Up to 30 years

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

How to specify this material
Organic coated steel for roofing applications, with paint coating thickness of 50 µm and A1 fire performance, (Granite® Storm by ArcelorMittal or equivalent).
Granite® Quartz has the glinting, scintillating feel of natural minerals, with a variety of facets giving the surface finish a beautiful crystalline look. Light reflecting randomly off crystal faces gives the finish a ‘living’, ever-changing texture.

- hard, structured, mineral-appearance surface
- excellent scratch resistance
- a full spectrum of colours – modern and classic – to suit roof and facade projects
- unique new aesthetics, protected by the Office for Harmonisation in the Internal Market (OHIM)*

* Community Design No. 002347245 in the name of Arce1orMittal Flat Carbon Europe, S.A
Granite® Quartz

Applications
Granite® Quartz in the Classic colour range has primarily been developed for roofs. The Modern range can be used for facades and several other systems such as sandwich panels and profiled sheet panels.

Aesthetics
A deeply textured matt mineral finish available in 10 colours separated into two distinctive ranges:
- Classic range: with 5 common colours, such as red, brown and green used for roofing applications.
- Modern range: with 5 colours - white, light grey, dark grey, silver, black - opening new perspectives for facades applications.

Performance
The unique finish of Granite® Quartz ensures maximum resistance to scratching both during handling and once installed. This feature maximises durability. The product is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Forming
Granite® Quartz is especially suitable for profiling into roofing panels but can be profiled in other ways by deep drawing processes or can be assembled using joining techniques such as clinching, riveting and adhesive bonding.

Colours
ArcelorMittal’s Granite® Quartz range of coated steels is available in 10 textured colours: 5 ‘Classic’ colours and 5 ‘Modern’ colours. To help you make your choice, the Granite® Quartz sample card in the Steel inspiration binder, contains a real, removable sample and shows the full colour range. Further colours are available on request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Quartz colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data
- Thickness: 0.5 to 1.2 mm
- Width: 650 mm to 1250 mm (dependent on thickness)
- Paint coating thickness: 40 µm
- Metallic coating: 2275 g/m² or equivalent
- Corrosion resistance: RC3
- UV resistance: RUV3
- Fire performance: A1 in accordance with EN 13501-1
- Guarantee: 15 years

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

How to specify this material?
Organic coated steel, with a coating thickness of 40 µm and a glittering mineral finish (Granite® Quartz by ArcelorMittal or equivalent).
STEEL SPECIFICATION

Granite® Cloudy

Distinctive aesthetics for traditional and contemporary roofs

Granite® Cloudy is available in 5 distinctive patterned colours. Many of these resemble natural roofing materials such as clay or terracotta. Granite® Cloudy can therefore recreate the random natural appearance of tiled roofs but with all the benefits of durability and performance that pre-painted steel offers.

These natural looking finishes mean that Granite® Cloudy can also be successfully specified for facades and other areas of construction, especially where visual integration with the natural surroundings is important.

- attractive finishes with easy assembly and minimal maintenance
- wide variety of colours to match differing roof materials, available with guaranteed reproducibility
- the appealing appearance of traditional tiles but with the strength, colour stability and durability of steel
**Granite® Cloudy**


**Applications**

Roof tiles, profiled panels, sandwich panels etc.

Ideal for renovation of pitched roofs, or over-roofing of flat roofs. Its light weight means slimmer, lighter roofing support structures. Can easily be formed into ‘roman’ style tile profiles which are popular in many southern, sunny-climate countries.

Also used for facades and other building elements.

**Aesthetics**

Five creative, uniquely patterned, extremely durable, contrasting colours that are stable over time.

**Performance**

Granite® Cloudy has the beauty of natural stone or clay roofing materials with the performance of steel and is subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

10 years’ guarantee is available, depending on the environment, on a 2225 g/m² steel substrate or equivalent, against perforation of the metallic substrate. Non-peeling of the paint film is also guaranteed.

**Forming**

Granite® Cloudy is suitable for profiling and deep drawing processes and can be assembled using joining techniques such as clinching, riveting and adhesive bonding.

**Colours**

ArcelorMittal’s Granite® Cloudy is available in:

- Anticato Dark: a dark brown that gives an attractive depth to the roof
- Anticato Light: a lighter alternative to Anticato Dark
- Terracotta: gives a luminous, warm radiance
- Green & Red: warm and attractive colours

Further colours are available on request.

To help you make your choice, the Granite® Cloudy sample card in the Steel inspiration binder, contains a real, removable sample and shows the full colour range.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Cloudy colour can be requested.

For further information on the technical properties of Granite® Cloudy and durability guarantees, please consult our website.

**Technical data**

- **Thickness**: 0.45 to 1.5 mm
- **Width**: 600 mm to 1500 mm (dependent on thickness)
- **Paint coating thickness**: 35 μm
- **Metallic coating**: 22525 g/m² (or equivalent)
- **UV resistance**: RUV4
- **Corrosion resistance**: RC3 in accordance with EN 10169
- **Fire performance**: A1 in accordance with EN 13501-1
- **Guarantee**: Up to 10 years

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

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**How to specify this material**

Organic coated steel, with natural stone or clay material aspects and with a coating thickness of 35 μm, but without any hexavalent chromium or heavy metals (Granite® Cloudy by ArcelorMittal or equivalent).
Granite® HFX Cool
Aluzinc® HFX

Designed for standing seam applications with excellent formability, even at low ambient temperatures.

Granite® HFX Cool organic coated steel and Aluzinc® HFX metallic coated steel are ideal for use with standing seam technology even at low temperature in the cold and wet environments encountered in Northern and Eastern Europe.

- Excellent formability even at low temperatures down to -10°C with similar ductility to pure zinc sheets but at an affordable price.
- Excellent corrosion resistance.
- Architectural quality thanks to a regular pattern of thin lines created by the standing seam technique.
- Allows sophisticated shapes to cover curved, convex or concave surfaces including deep drawing.
- Hidden fastenings.
- Easy and quick to install, assemble and bend.
STEEL SPECIFICATION

Granite® HFX Cool and Aluzinc® HFX

Granite® HFX Cool - is an organic coated product
Aluzinc® HFX - is a metallic coated product

Applications
Primarily standing seam roofs, but also rainwater systems (gutters, downpipes and accessories).

Standing seam roofs (or walls) use continuous metal panels running from ridge to eaves with interlocking and overlapping ‘seams’ that offer both excellent weather resistance and distinctive, unbroken visual aesthetics. HFX products are ideal for these applications because of their ductility and malleability, even at low temperatures, as well as their durability. This allows rapid and effective creation of the seam whether pre-formed off-site, or formed on site.

Aesthetics
To meet the requirements of a broad diversity of building projects in various environments, ArcelorMittal offers two different products suitable for the same end-use applications:

Granite® HFX (High Formability extended) Cool
From our painted steel family where colour is required to match the environment surroundings – has an optimised, flexible 55-micron paint system combined with a flexible steel grade (DX54D 'minimum recommended' and above) that can withstand deformation and weathering. Granite® HFX Cool comes with up to 20 years’ warranty.

Aluzinc® HFX (High Formability extended)
From our metallic coating family, with a natural, beautiful silvery metallic spangle – is protected by the 100% chromium-free Easyfilm® E coating, which offers additional corrosion protection during storage and transportation, resistance to fingerprinting and facilitates forming operations (no lubricant is required). Aluzinc® HFX keeps its shiny appearance over time and comes with up to 25 years guarantee

Performance
Granite® HFX Cool and Aluzinc® HFX are subjected to a battery of tests in the laboratory and at outdoor exposure sites to guarantee the best possible product performance.

Granite® HFX Cool – Particularly adapted to harsh climatic environments – mountain or continental climates – with considerable exposure to snow, wind or rain. Granite® HFX Cool is tailor-made for standing seam technologies and can be mechanically or manually folded. Granite® HFX Cool comes with up to 20 years guarantee.

Automatic guarantee for non-perforation of the steel substrate and non-peeling of the paint film up to 20 years in selected environments.

Aluzinc® HFX – Aluzinc® is a unique alloy coating of 55% aluminium, 43.4% zinc and 1.6% silicon - combined with a specific production process and with the DX56D steel grade, which improves deep drawing.

How to specify these materials

Granite® HFX Cool: Organiced coated steel thickness 55 µm with high flexibility and fire performance A1, dedicated to standing seam applications (Granite® HFX Cool by ArcelorMittal or equivalent).

Aluzinc® HFX: Metallic coated steel, 55% aluminium 43% zinc, with high flexibility and fire performance A1, dedicated to standing seam applications (Aluzinc® HFX by ArcelorMittal or equivalent).

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Cover large image: Project: Private housing Photographer: © LINDAB Buildings

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Granite® Rain is the most cost-effective compromise between aesthetics and robustness available on the market today, and combines guaranteed durability with ease of use, flexibility and visual appeal.

- strength of steel combined with a flexible double-sided paint system
- protective paint barrier gives excellent weather resistance
- exceptional formability even at low ambient temperatures (down to -10°C)
- a rich palette of colours with a grained finish
- up to 15 years’ guarantee
Granite® Rain

Applications
Rainwater systems: gutters, downpipes, elbows, internal or external corners, outlets, rainwater diverters etc.

Aesthetics
Granite® Rain is a perfect combination of form and function, elevating rainwater systems from a 'necessary evil' to a building-enhancing feature that is durable, efficient at water removal and attractive at the same time.

Performance
The Granite® Rain range comprises two products, Granite® Rain HDS which offers standard levels of durability and Granite® Rain HDX, which offers superior durability and an extended guarantee of up to 15 years.

Forming
Granite® Rain can be processed by forming and deep drawing without damaging the top surface, and can be joined using techniques such as clinching, riveting and adhesive bonding.

Colours
Granite® Rain comes in a variety of colours to suit every taste and every budget. Moreover, knowing that no two projects are ever the same, customisation is also possible. All colours have an artistically grained aesthetic texture and are subject to ArcelorMittal's common quality assurance system. To help you make your choice, the Granite® Rain sample card in the Steel inspiration binder, contains a real, removable sample and shows the full colour range. Further colours are available upon request.

For more detailed specification and aesthetic decisions, A4 samples of any Granite® Rain colour can be requested.

For further information on the technical properties of the different products and durability guarantees, please consult our website.

Technical data
- Thickness: 0.5 to 2.0 mm
- Width: 660 mm to 1500 mm (dependent on thickness)
- Paint coating thickness: 35 µm for Granite® HDS/55 µm for Granite® HDX
- Metallic coating: 22.75 g/m² or equivalent
- UV resistance: RUV4 - Granite® Rain HDS
- Fire performance: A1 in accordance with EN 13501-1
- Guarantee: Up to 15 years

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

How to specify this material?
Organic coated steel for rainwater applications with a coating thickness of 35 µm or 55 µm and fire performance A1, (Corrosion resistance RC5, Granite® Rain HDX 55 µm by ArcelorMittal or equivalent).
(Corrosion resistance RC4, Granite® Rain HDX 35 µm by ArcelorMittal or equivalent).

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Smaller images, from left: 1, 2 and 3 Photography: © Philippe Vandenamée

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Magnelis® is simply an exceptionally versatile metallic coated steel. It provides amazing levels of surface and cut-edge corrosion protection even in the most hostile of environments.

- Excellent corrosion resistance – at least 3 times better than galvanised steel in external applications
- Excellent forming behaviour thanks to a lower friction coefficient to galvanised steel and very good adhesion of Magnelis® coating
- Complete edge protection from the self-healing properties of Magnelis® on cut edges
- More cost-effective than batch galvanised steels, due to simple manufacture
- Lower zinc run-off than galvanised steel: better for the environment
- Up to 20 years warranty for roofing and cladding in marine environments and up to 25 years for inland applications (more than 2000 m from the coast)
Magnelis® is an exceptional, metallic coated steel product providing surface protection in a variety of applications against long-term wear and tear. Tough, self-healing and cost-effective, it offers superior corrosion resistance and versatility in a surprising range of constructions.

The remarkable corrosion resistance of Magnelis® allows it to be used across a range of structural applications (light steel framing, ventilated facade supports, composite floors, solar system supports), but also for roofing and cladding in corrosive environments such as coastal buildings, agricultural buildings and water transport systems.

For civil engineering applications, Magnelis® offers a cost effective substitute for batch galvanised steel and in the transport sector Magnelis® is widely used for safety barriers, lighting poles, road signs, sound barrier fences and many other items.

In fact, wherever it's used, Magnelis®, guarantees tough, good-looking, cost-effective, long-life solutions.
Applications
Magenlis® has a wide range of applications:
• Light steel framing structures
• Rainwater systems
• Composite floors
• Purlins
• Structures for solar systems
• Roof structures, particularly for harsh environments such as marine and agricultural

Aesthetics
Magenlis® has a natural dark grey, spangle-free smooth aspect. Magnelis® is available with a standard environmentally friendly E-Passivation® (translucent CrVI-free temporary protection) or can be oiled on request.

Performance
Magenlis® is produced on a classic industrial hot dip galvanising line, but dipped in a molten bath with a unique metallic chemical composition of zinc with 3.5% aluminium and 3% magnesium. The 3% magnesium is crucial as it creates a stable and durable layer across the entire surface and gives a far more effective corrosion protection than coatings with a lower magnesium content. As such, ArcelorMittal's Magnelis® offers significantly superior performance than alternative European products.

Superior corrosion resistance
The destruction of coating that occurs in an ammonia-rich environment is seven times less with Magnelis® than with a standard zinc coating.

In addition, Magnelis® guarantees a longer-lasting, active coating protection over time. In highly alkaline environments (pH between 10 and 13), Magnelis® demonstrates superior corrosion resistance compared to other metallic coatings.

Self-healing properties
The secret of Magnelis® lies in the thin, zinc-based protective film (containing magnesium and aluminium) that is formed across the entire metal surface and that gives Magnelis® its self-healing property.

Magenlis® makes it almost impossible for the environment to penetrate. It blocks corrosion, and not only at the surface, but also on the uncoated edges, where a Magnelis® film will gradually produce specific compounds which gradually cover and seal the unprotected surface, preventing any corrosion.

Salt spray test
![Salt spray test image]

Consumed thickness (µm) vs. Time (months)

Corrosion rate of Magnelis® versus galvanised product. Outdoor exposure tests for 5 years in Brest, France, in a high-chloride environment-site C5M (steel).
Technical data

<table>
<thead>
<tr>
<th>Product</th>
<th>Magnelis®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.45 mm to 6.00 mm</td>
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<tr>
<td>Max. coil width</td>
<td>Up to 1680 mm</td>
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<tr>
<td>Metallic coating</td>
<td>From ZM90 (7 µm) to ZM310 (25 µm)</td>
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<tr>
<td>Fire performance class</td>
<td>European standard (EN 13501-1) A1, French standard (FD P92-507) MO, British standard (BS 476) AA</td>
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<tr>
<td>Warranty</td>
<td>Up to 25 years</td>
</tr>
<tr>
<td>Certifications and compliance</td>
<td>DIBt Z-30.11-51, CSTB, SP (SITAC)</td>
</tr>
</tbody>
</table>

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

Warranty

Up to 25 years for ZM310:
- inland roofing and facade applications (more than 2000 m from the coast)
- solar structure applications
- light structural components – dependent on application and environment

Up to 20 years:
- roofing and facade applications in marine environments

We are able to grant warranties for specific applications or environments. Please consult ArcelorMittal for further details.

How to specify this material

Metallic coated steel, coating made from zinc, 3.5% aluminium, 3% magnesium, thickness coating from 7 µm to 25 µm depending on the environment (Magnelis® by ArcelorMittal or equivalent).

Flooring

Composite floor systems, made with steel, serve as self-supporting formwork, resisting construction loads and concrete weight.

They are flexible and adaptable to any kind of new construction or renovation and can be used for floors in offices, housing, car parks, hospitals etc., allowing large spans and reduced floor thicknesses while maximising interior spaces.

Metallic coated steel, Magnelis®, with its excellent corrosion performance when in contact with concrete or in high alkaline atmosphere, is the ideal solution for durable, lasting flooring.

Framing for buildings

Lightweight steel sections can be rapidly assembled off-site or on site to form structural internal and external wall panels or entire building frameworks. These can be combined with structurally efficient floor and roof solutions and provide stability and integrity to the building, eliminating the need for a steel or concrete primary frame.

Magnelis® will last much longer than steel with traditional coatings such as hot dip galvanised. Proven by outdoor tests, Magnelis® offers excellent protection, even for edges and perforations thanks to its inbuilt self-healing properties.

Framing for photovoltaic systems

To ensure adequate return on their investment, developers of photovoltaic installations need the supporting structure to remain viable for as long as possible.

The unique composition of the Magnelis® coating guarantees the integrity of steel solar structures. Thanks to the presence of 3% magnesium, the coating protects the steel for up to 25 years in normal locations.

We are here to help you

There is a wide range of online information available to help you discover more about our products and find solutions for your specific projects.

Visit industry.acelormittal.com/steelenvolope to:

1. Order samples
   You can order A4 samples directly from our website.

2. Find a building system manufacturer
   Locate the Building System Manufacturer that best fits your needs.

3. Find technical data and detailed catalogues
   Access the full range of ArcelorMittal brochures, catalogues and technical data.

Design and Technical support

We want to develop a dialogue with you, so for anything you can't find above or for comprehensive technical support, please e-mail our Customer Technical Support team.

steel.envolope@acelormittal.com
Collections of steel that add visual impact, texture, colour and elegance to a range of applications and constructions for interior projects.

- bespoke patterns, finishes and designs
- the authentic, contemporary elegance of steel
- high impact resistance for busy, public areas
- stain resistant and easy to clean
- longevity and durability
With our aesthetic interior products you can add fluid formability, tailor-made design and even unique patterns, pictures or logos to the clean, durable, functionality of steel.

From pure function to perfect form and from impact-resistant robustness to elegant aesthetics, our interior steel ranges offer design scope, durability, performance and the opportunity to take a different approach and add a new dimension to the design of interiors.

ArcelorMittal’s interior aesthetic steel can be used for everything from heavily trafficked lift interiors or hallways that take a pounding every day; to refined unique and bespoke, textured, patterned and printed panels that are practically individual works of art.
The aesthetics of stainless steel affordable for all projects
An electrogalvanised brushed steel with a transparent coating and a natural metallic appearance available in six surface finishes. xcellook® is designed for interior applications where aesthetic quality is key, and is an attractive alternative to stainless steel or aluminium.

**Applications**
xcellook® is suitable for profiling and deep drawing processes and can be assembled using joining techniques such as clinching, riveting and adhesive bonding, so is ideal for walls, lifts, ceilings, lighting etc. and heavily trafficked areas like airport terminals, railway concourses and other transport hubs.

xcelcolour®
Smooth metallic finishes for advanced designs
xcelcolour® has a unique satin metal look - available in two colours, bronze and anthracite - achieved by a very specific combination of roughness and a thin coloured but transparent, organic coating.

**Applications**
The beautiful finish is ideal for a variety of indoor applications, such as decorative walls, reception desks and architectural objects.

xceldesign®
Bespoke finishes, designs and patterns
xceldesign® offers a steel solution tailored to your design specifications. Any pattern, picture or logo can be produced on the steel surface.

xceldesign® uses electron beam texturing (EBT). Thanks to the deterministic nature of this technology, the contours of all patterns can be perfectly controlled. In fact, EBT can be compared to a giant laser printer, with tiny craters being created rather than ink dots.

**Applications**
Applications range from quality labelling, such as logos or watermarks, to purely aesthetic, decorative finishes.

Once the design is chosen, xceldesign® is perfect for all interior applications, both for larger constructed areas – such as a corporate atrium featuring a company logo or specific design – to smaller areas or objects, such as a desk.

Estetic® Mat
Light matt finish with excellent resistance to marking
Specifically developed for interior building industry applications, this product range meets all requirements in terms of aesthetic quality (appearance and gloss) and properties such as flexibility, coating adhesion, corrosion resistance etc. and is especially suited to interior ceiling applications.

**Applications**
Metal ceilings (capping, ceiling tiles, perforated panels, accessories etc.), internal panels, doors.

Estetic® Tex
A grained, anti-scratch finish for robust usage
The very hard surface robustness of Estetic® Tex makes it the ideal material choice for walls in areas with intensive public activity such as airports or subways. The attractive aesthetics remain intact even after years of use. The scratch-resistant surface is particularly suited to the cladding of walls, hallways, furniture, heating and ventilation applications.

**Applications**
Metal furniture, shelves and shelving units, air conditioners, radiators, casings etc.
### Technical data

<table>
<thead>
<tr>
<th>Product</th>
<th>xcellook®</th>
<th>xcelcolour®</th>
<th>xceldesign®</th>
<th>Estetic® Mat</th>
<th>Estetic® Tex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.44 – 1.5 mm</td>
<td>0.45 – 1.5 mm</td>
<td>0.40 – 1.5 mm</td>
<td>0.17 – 3.0 mm</td>
<td>0.5 – 3.0 mm</td>
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<tr>
<td>Max. coil width (dependent on thickness)</td>
<td>700 – 1500 mm</td>
<td>800 – 1500 mm</td>
<td>800 – 1500 mm</td>
<td>700 – 1500 mm</td>
<td>700 – 1500 mm</td>
</tr>
<tr>
<td>Paint coating system</td>
<td>10 to 15 µm</td>
<td>9 µm</td>
<td>9 µm</td>
<td>25 µm</td>
<td>35 µm</td>
</tr>
<tr>
<td>Metallic substrate</td>
<td>ZE 75/75/ certificate: RoHS compliant</td>
<td>Z140 or equivalent</td>
<td>Z140 or equivalent</td>
<td>Z100 or equivalent</td>
<td>Z100 or equivalent</td>
</tr>
<tr>
<td>Fire performance (all products)</td>
<td>European standard (EN 13501-1) A1, French standard (FD P92-507) M0, British standard (BS 476) AA</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>VOC emission level (all products)</td>
<td>Close to zero</td>
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</tbody>
</table>

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

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**How to specify this material**

For interior aesthetics the products will be coated: from 10 µm to 15 µm (xcellook® by ArcelorMittal), or 9 µm (xcelcolour®/xceldesign® by ArcelorMittal), or 25 µm (Estetic® Mat by ArcelorMittal), or 35 µm (Estetic® Tex by ArcelorMittal).