ArcelorMittal Construction

ArcelorMittal

Architectural façades

Inspiring Smarter Building

ArcelorMittal

Architectural façades

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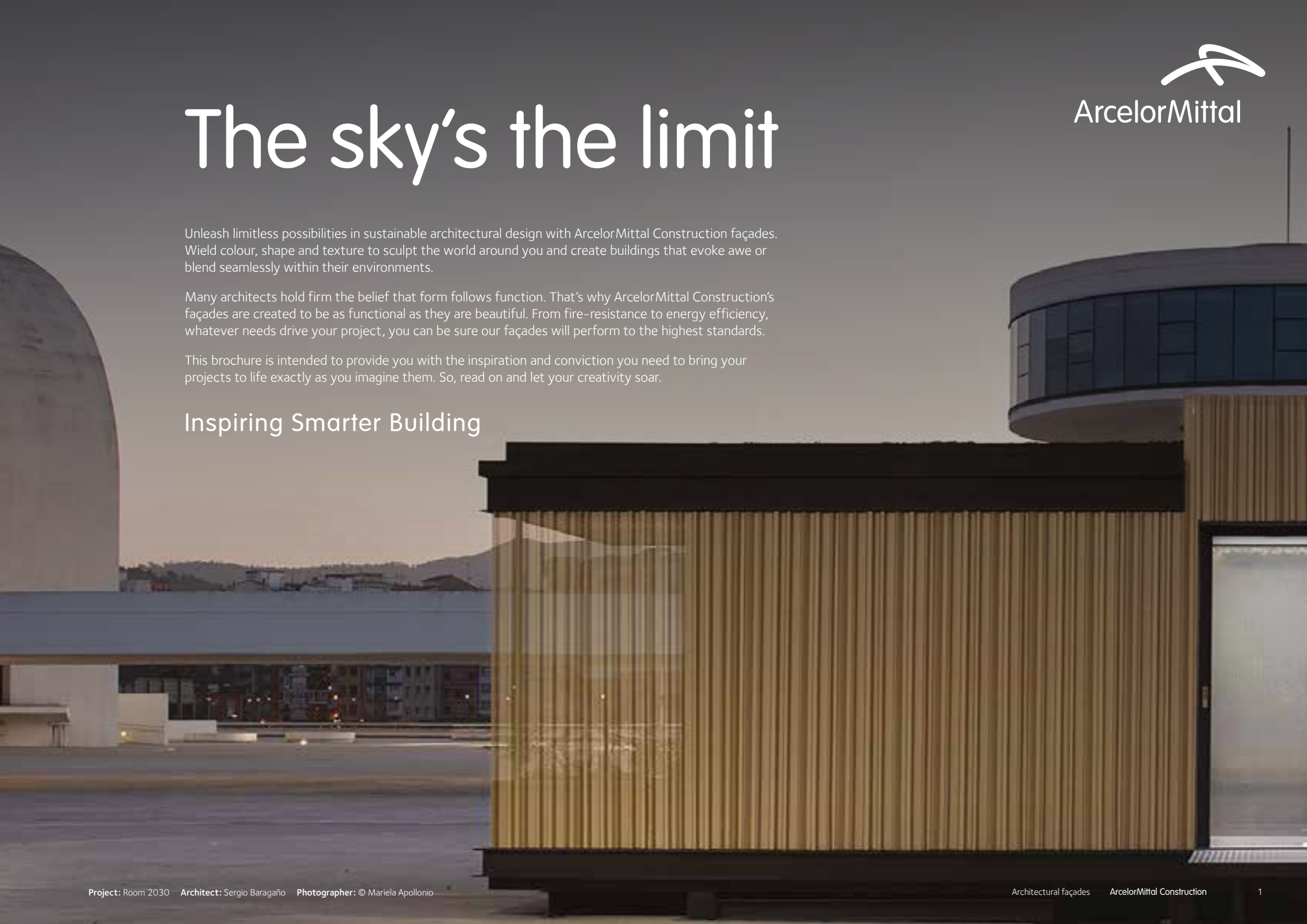
The sky's the limit

Unleash limitless possibilities in sustainable architectural design with ArcelorMittal Construction façades. Wield colour, shape and texture to sculpt the world around you and create buildings that evoke awe or blend seamlessly within their environments.

Many architects hold firm the belief that form follows function. That's why ArcelorMittal Construction's façades are created to be as functional as they are beautiful. From fire-resistance to energy efficiency, whatever needs drive your project, you can be sure our façades will perform to the highest standards.

This brochure is intended to provide you with the inspiration and conviction you need to bring your projects to life exactly as you imagine them. So, read on and let your creativity soar.

Inspiring Smarter Building



Project: Room 2030 **Architect:** Sergio Baragaño **Photographer:** © Mariela Apollonio

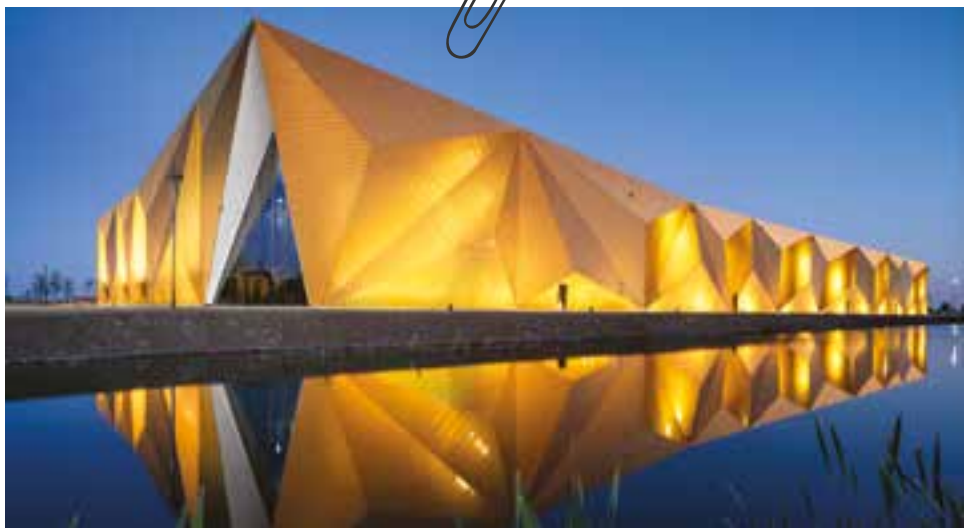
 Architect: Sergio Baragaño **Products:** ST + ST Lumiere **Coating & colour:** Hairexcel® Onyx **Photographer:** © Mariela Apollonio

Architectural façades

Unique skins in any colour and shape

Our diverse range of profiles will add unique character to your buildings and deliver the highest levels of performance. And because we control the manufacturing process, we can create profiles to almost any shape, any colour or any specification, giving you total freedom of design. Be as bold as you dare.

GOLD



Royal Dutch Mint

Location
Houten, Netherlands

Architect
wilma wastiau

Products
Plain & perforated Isis

Coating & colour
Granite® Silky Shine Gold

Building type
Industrial and logistics

Photographer
© Martijn Kort

Eclectic®

Project
Arma Keukens & Sanitair

Location
Nunspeet, Netherlands

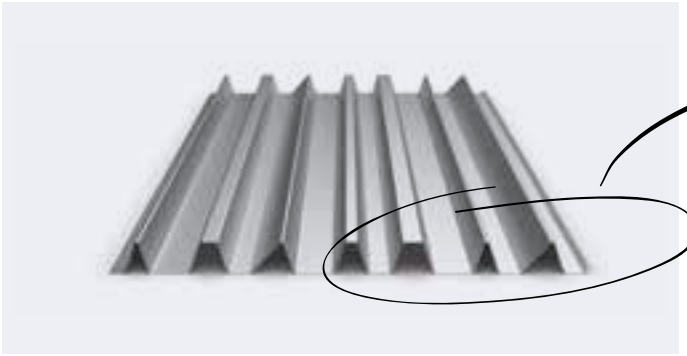
Architect
Buro Holdijk

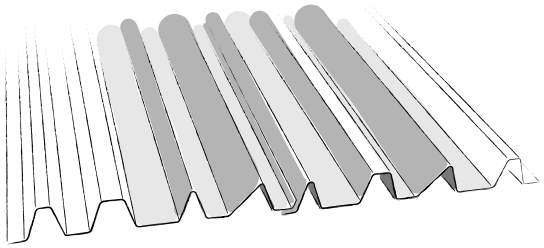
Products
Eclectic®

Coating & colour
Hairexcel® Kohl

Building type
Showroom & storage

Photographer
© LT Photography





Go asymmetric, symmetric or random with the Eclectic® range. Undulating waves at various angles allow you to play with randomised barcode patterns of light and shadow. Available in four styles, combine our subtler Eclectic® 30 profiles with the bolder Eclectic® 50 variant in any sequence to create something truly unique.

- Asymmetric geometry
- Mix 4 compatible variants of Eclectic® profiles in any sequence
- Perforation available
- Huge range of colours and coatings

Eclectic® 9.61.30

Eclectic® 9.56.30

Eclectic® 7.61.50

Eclectic® 7.35.50

Technical details	Eclectic® 9.61.30	Eclectic® 7.61.50
Nominal steel thickness (mm)	0.63 or 0.75	
Weight (kg/m²)	8.37 - 9.97	
Cover width (mm)	900	700
Max. length (mm)	12,000 (vertically mounted) 9,500 (horizontally mounted)	
Min. length (mm)	1800	
Geometry	Asymmetrical	
Fixing	Visible	

Isis

Project
Royal Dutch Mint

Location
Houten, Netherlands

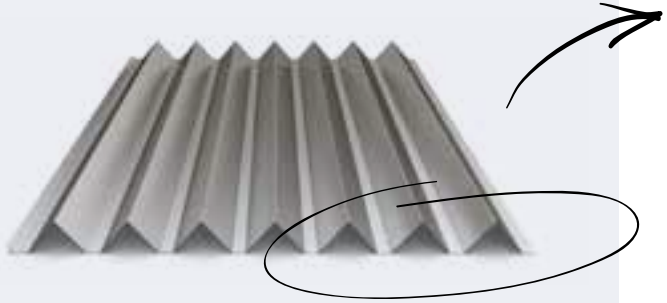
Architect
wilma wastiau

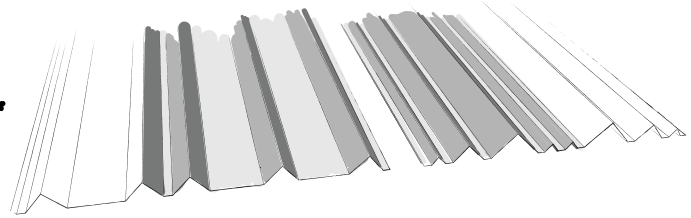
Products
Plain & perforated Isis

Coating & colour
Granite® Silky Shine Gold

Building type
Industrial and logistics

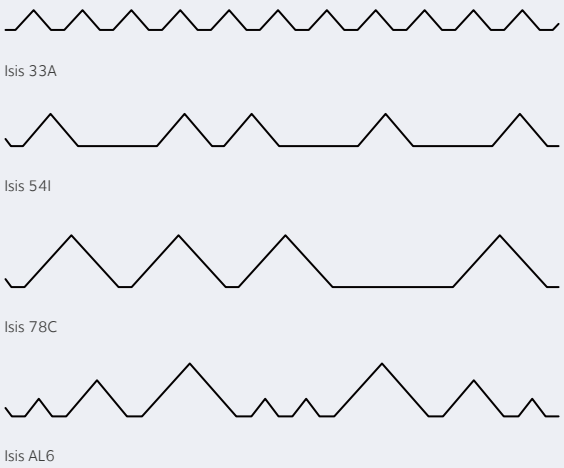
Photographer
© Martijn Kort





Triangular point profiles in an infinite combination of colours, widths, depths and sequences create rigid or random linear patterns for a look that's both contemporary and timeless.

- Regular or random wave depths from 20 to 150 mm
- Oblique waves on request
- Perforated finish on consultation
- Vertical or horizontal installation
- Lengths from 750 to 6,000 mm
- Visible fixings



Technical details	
Nominal steel thickness (mm)	0.63 - 0.75
Weight (kg/m²)	6.86 - 8.56
Cover width (mm)	600 - 880
Max. length (mm)	6,000
Min. length (mm)	750
Geometry	Triangular or pyramidal
Fixing	Visible

Creneo

Project
Cinema Jean-Claude Carriere

Location
Bédarieux, France

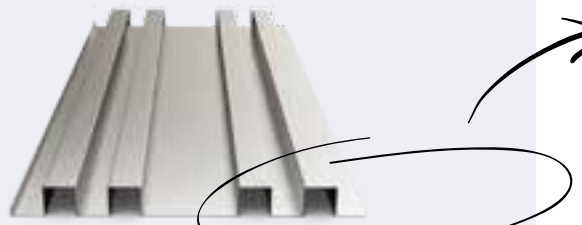
Architect
A+ Architecture

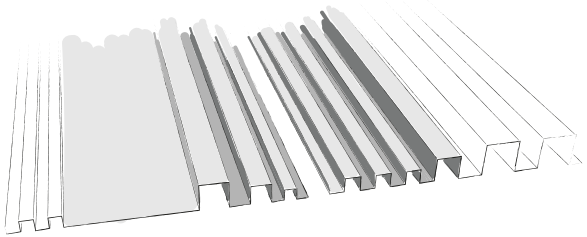
Products
Creneo

Coating & colour
Hairplus® in Titanium, Baldosa, Burgundy & Ruby

Building type
Leisure

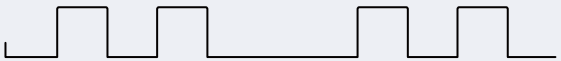
Photographer
© Camille Gharbi



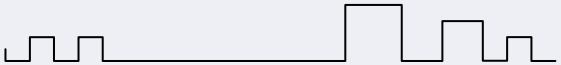


Square-waved Creneo profiles are made to measure, enabling you to utilise regular or random patterns with geometries of varying depths and widths. Perforation and the full range of Colorissime colours give you even further choice; the possibilities are boundless.

- Regular or random wave depths ranging from 25 to 70 mm
- Oblique angles on request
- Optional perforation
- Vertical or horizontal installation
- Visible fixings



Creneo 50D



Creneo AL4

Creneo 50A

Technical details	
Nominal steel thickness (mm)	0.75
Weight (kg/m^2)	0.63 - 11.95
Cover width (mm)	500 - 650
Max. length (mm)	6,000
Min. length (mm)	1,000
Geometry	Square
Fixing	Visible

Adour

Project
ENI – National School of Engineering

Location
Tarbes, France

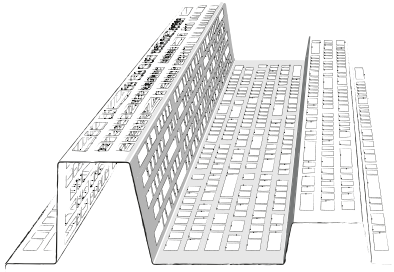
Architect
Agence Hirsch & Zavagno Architectes

Products
Adour

Coating & colour
Irysa® Isatis

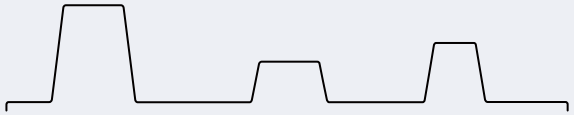
Building type
Education

Photographer
© ArcelorMittal Construction

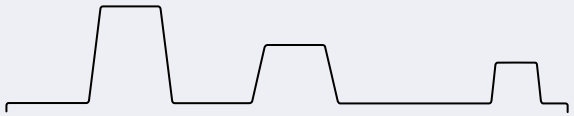


With trapezoidal waves of differing depths and frequency and random rectangular perforations, Adour creates buildings which sizzle with individuality. Up close, the façade has the elegance of fine lace. From afar, as the detail catches the light, it sparkles like the surface of a calm ocean on a clear day. Semi translucency serves to reveal a glimpse of the structure beneath, allowing you to play with colour and shape, but also making Adour ideal for use as a sunshade.

- Available in aluminium, stainless steel and steel
- Random rectangular perforation
- Square waves at three different depths
- Visible fixings
- Vertical installation



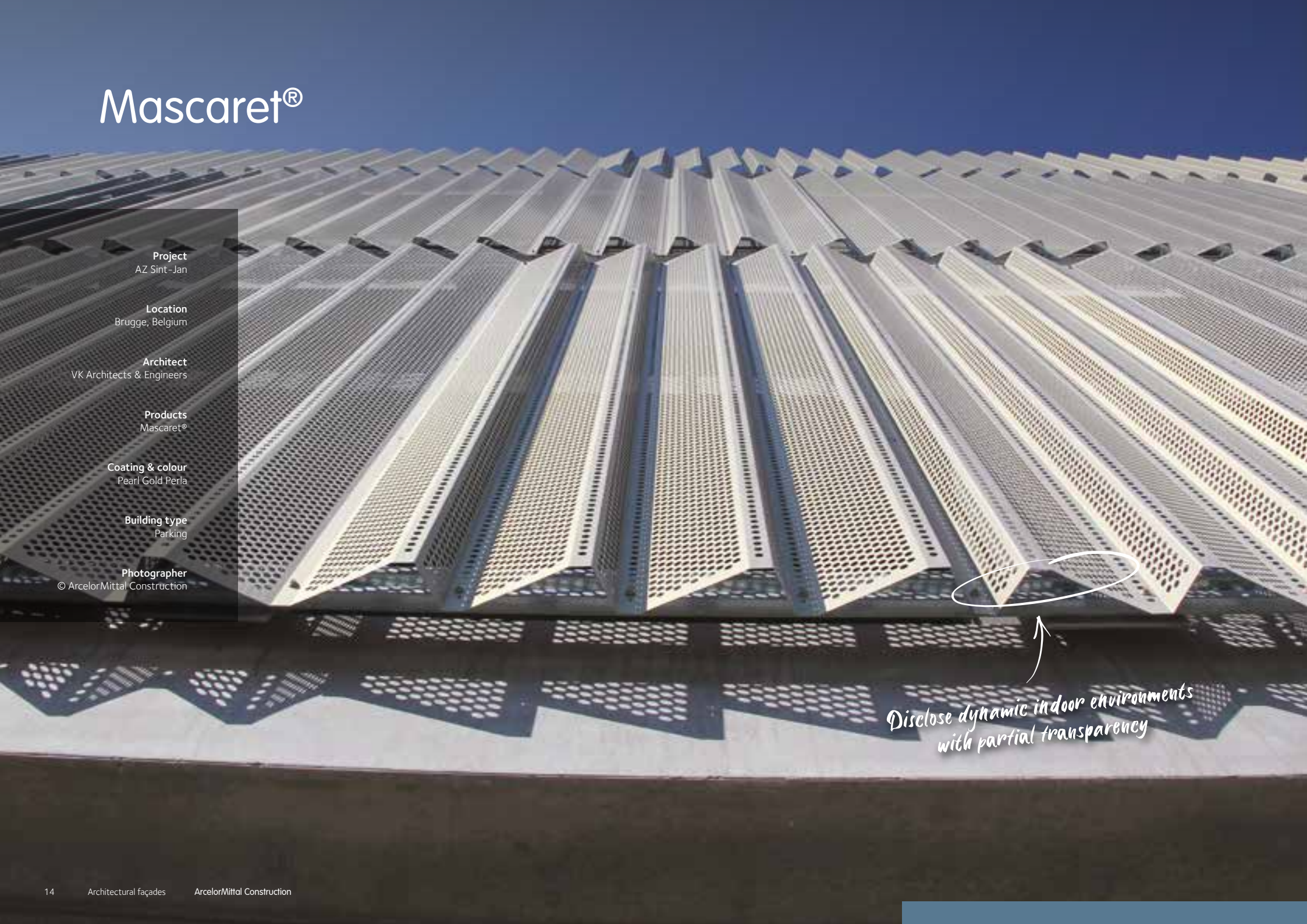
Adour 3.73.900



Adour 3.133.900

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	12.62
Cover width (mm)	900
Max. length (mm)	6,000
Min. length (mm)	800
Geometry	Square
Fixing	Visible

Mascaret®



Project
AZ Sint-Jan

Location
Brugge, Belgium

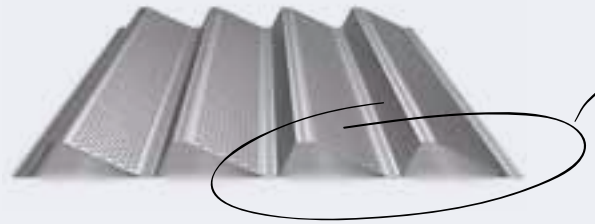
Architect
VK Architects & Engineers

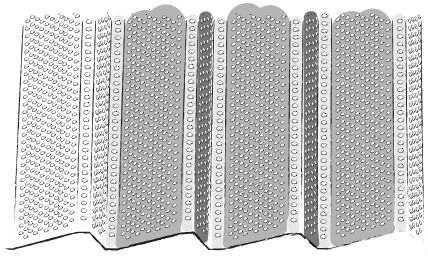
Products
Mascaret®

Coating & colour
Pearl Gold Perla

Building type
Parking

Photographer
© ArcelorMittal Construction





Elegant and timeless, Mascaret®'s leaning – or 'gunwale' – waves are available in various styles of perforation to allow degrees of transparency and light filtration depending on weather, time and season. Reveal as much or as little of what lies beyond the Mascaret® façade as you desire.

- Perfect for use as a sunscreen
- Vertical or horizontal installation
- Tailor-made perforation
- Visible fixing

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	9.96
Cover width (mm)	910
Max. length (mm)	5,000
Min. length (mm)	1,000
Geometry	Gunwale effect
Fixing	Visible

Perforation: 27% standard, 23%, 17%, 13% according to the diameter of the holes

Trapeza®

Project
Housing Le Jardin Des Bassins

Location
Bordeaux, France

Architect
Agence Schurdi-Levraud Architecture

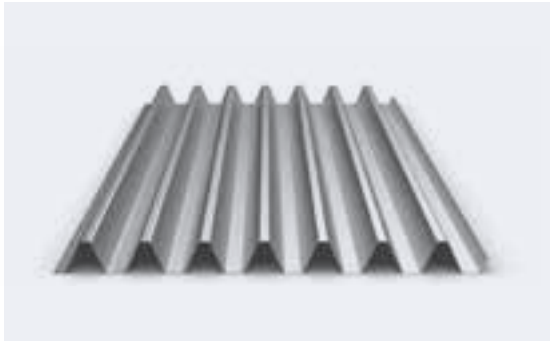
Products
Trapeza®

Coating & colour
Hairexcel® Gold, Authentic Pyrite

Building type
Residential

Photographer
© Christophe Pit

Deep trapezoidal waves create vivid contrasts of light and shadow



Trapezoidal waves in a comprehensive variety of configurations. Deep and narrow, wide and flat, the Trapeza® range adds rhythm and vibrancy to any façade.

- Install vertically or horizontally
- Add perforation and use Trapeza® as a sunscreen
- Available in a huge range of colours and coatings
- Select your preferred wave depth and frequency

Technical details

Nominal steel thickness (mm)	0.75
Weight (kg/m²)	Depending on type of profile selected
Cover width (mm)	Depending on type of profile selected
Max. length (mm)	12,000
Min. length (mm)	Depending on type of profile selected
Geometry	Trapezoidal
Fixing	Visible

Oceane®

Project
Les Jardins De L'Ars Parking

Location
Bordeaux, France

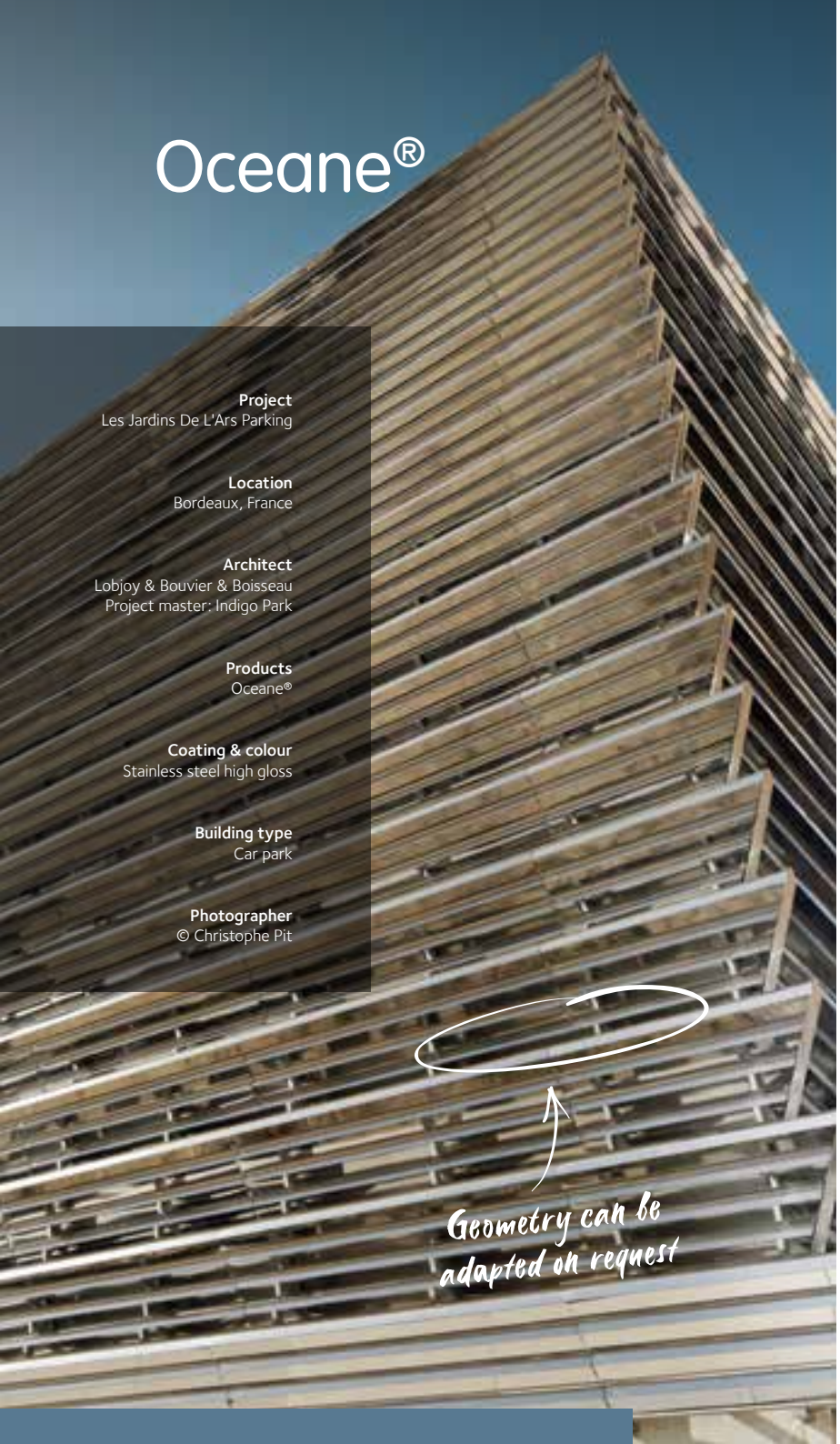
Architect
Lobjoy & Bouvier & Boisseau
Project master: Indigo Park

Products
Oceane®

Coating & colour
Stainless steel high gloss

Building type
Car park

Photographer
© Christophe Pit



ArcelorMittal

Reminiscent of picturesque wooden clapboard, Oceane® blends a touch of nostalgic, rustic charm with the very modern possibilities of architectural façade profiles. Oceane®'s sawtooth waves are available in a variety of depths and can be installed either vertically or horizontally.

- Speak to us about customised perforation
- Perfect for use as sunshade when perforated
- Can be installed vertically or horizontally
- Available in three different thicknesses
- Sawtooth waves come in three different depths

Oceane 70

Technical details

Nominal steel thickness (mm)	0.75 – 1
Weight (kg/m²)	Variable
Cover width (mm)	Depending on profile, 960, 1000 or 1050
Max. length (mm)	13,000
Min. length (mm)	Depending on type of profile selected
Geometry	Sawtooth
Fixing	Visible

Abysse

Project
ENS Chemistry School

Location
Brunstatt-Dbenhein, France

Architect
Main Architects: Dusapin & Leclercq. Execution Architect: Emergence

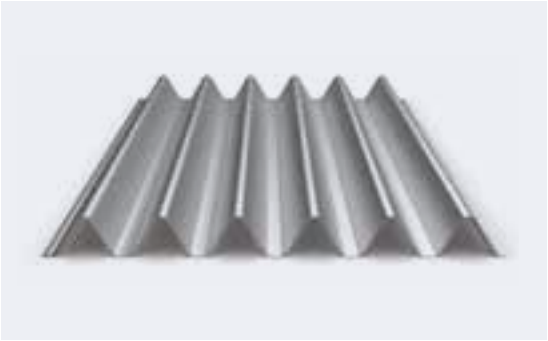
Products
Abysse

Coating & colour
Solexcel® RAL 1035

Building type
Educational

Photographer
© ArcelorMittal Construction

Geometry can be adapted on request



The Abysse, Baïne®, Arguin® and Arguin® XL façades all share a common pulse of symmetry with their triangular or sinusoidal waves adding a decorative flourish to any design.

- Symmetric triangular waves
- Horizontal installation on façade or over roofing
- Visible fixing

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	10
Cover width (mm)	800
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Sinusoidal
Fixing	Visible

Please check with us for other materials

Baïne®

Project
Matrix offices

Location
Houdan, France

Architect
Fanny Quitard architecte

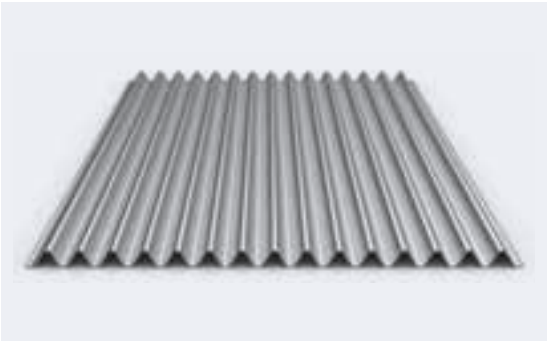
Products
Baïne®

Coating & colour
Edyxo® Distena, Hairplus® Silver

Building type
Office

Photographer
© Fanny Quitard architecte

ArcelorMittal



Give any exterior a dynamic spark with the smooth, rapid waves of our Baïne® façade. Combine it with Abysse, Arguin® and Arguin® XL for even more diverse patterns and textures.

- Symmetric sinusoidal (rounded) waves
- Vertical or horizontal installation
- Used as internal or external cladding and over roof
- Wave widths and frequency can be changed on request
- Wave profiles allow for large spans and double skin cladding
- Visible fixing

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	14
Cover width (mm)	720
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Sinusoidal
Fixing	Visible

Please check with us for other materials

Arguin® and Arguin® XL

Project
Hospital Center

Location
Saint-Paul, France

Architect
AIA Architectes

Products
Arguin® XL

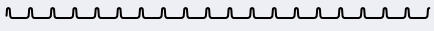
Coating & colour
Hairultra® Opale

Building type
Health

Photographer
© Castel et Fromaget

Wavy pattern lines

Arguin®



Arguin® XL

Arguin® and Arguin® XL's microbent profiles bestow a highly distinctive linear, almost pinstripe, detail. Request customised wave widths and frequencies or combine with Baïne® and Abysse for added variety.

- Unique microbent waveforms
- Vertical or horizontal installation
- Can be used as external cladding, over roof or for internal decoration
- Wave widths and frequency can be changed on request

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	10
Cover width (mm)	525 / 741
Max. length (mm)	3950 Arguin® 4000 Arguin® XL
Min. length (mm)	1,000
Geometry	Microbent waves
Fixing	Visible

Please check with us for other materials

Caïman®

Project
Base of Eaux vives

Location
Tilloy-lès-Mofflaines, France

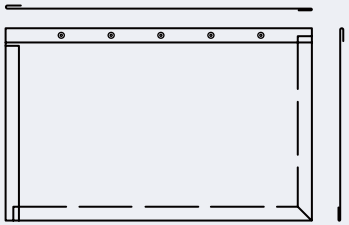
Architect
Avant Propos

Products
Caïman®

Coating & colour
Stainless steel touch gloss

Building type
Sport

Photographer
© Boris Michel



Bring your architecture to life with our overlapping Caïman® cladding system. Hidden fixings, customised plate shapes and irregular installation angles can combine to create surfaces that feel almost organic, redolent of reptilian scales.

- Hidden fixings
- Tailor-made dimensions
- Available in stainless steel, pre-painted steel and aluminium

Technical details	
Nominal steel thickness (mm)	0.75
Weight (kg/m²)	Variable
Cover width (mm)	1,000
Max. length (mm)	800
Min. height (mm)	800
Geometry	Scale effect
Fixing	Hidden

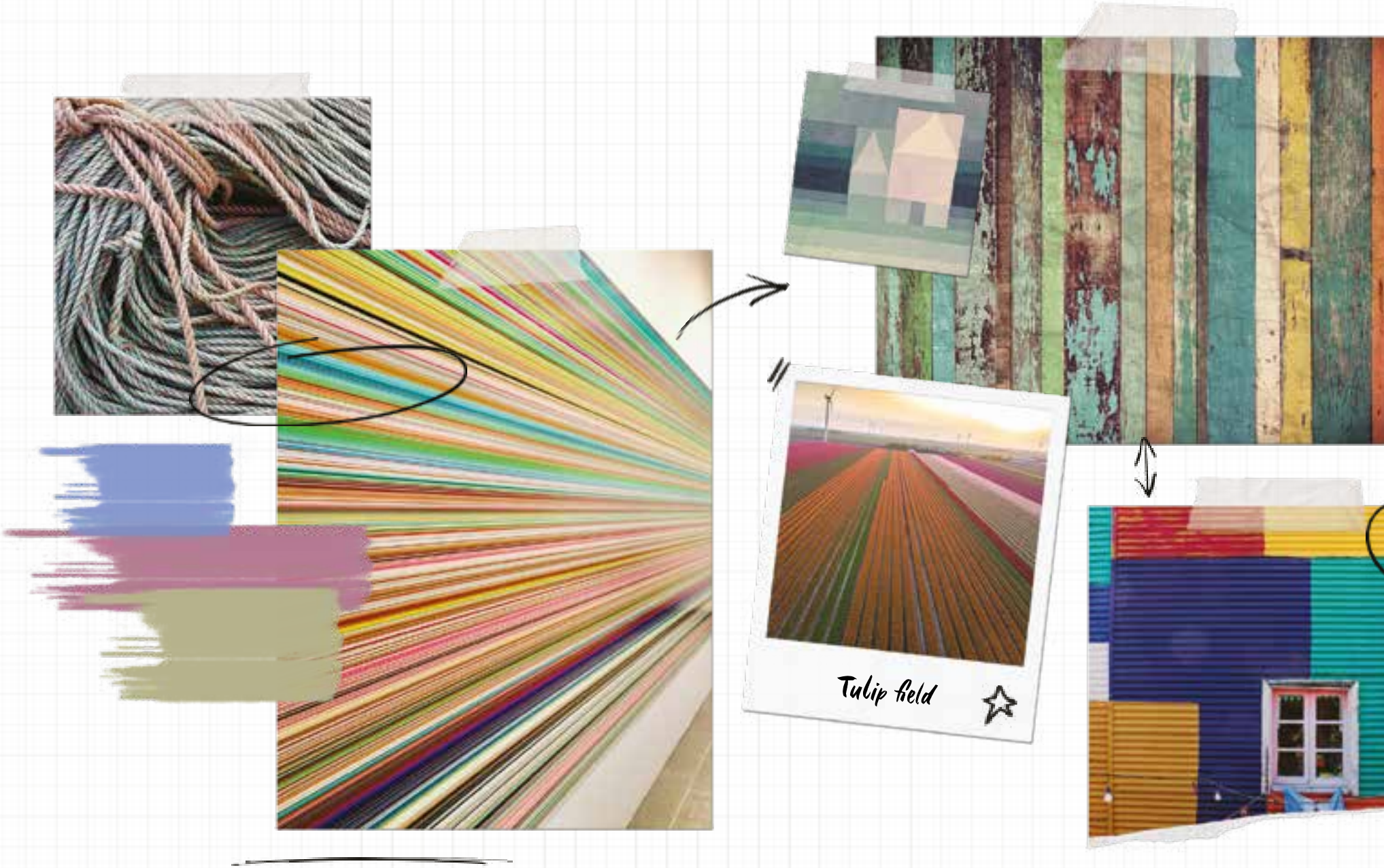
Please check with us for other materials

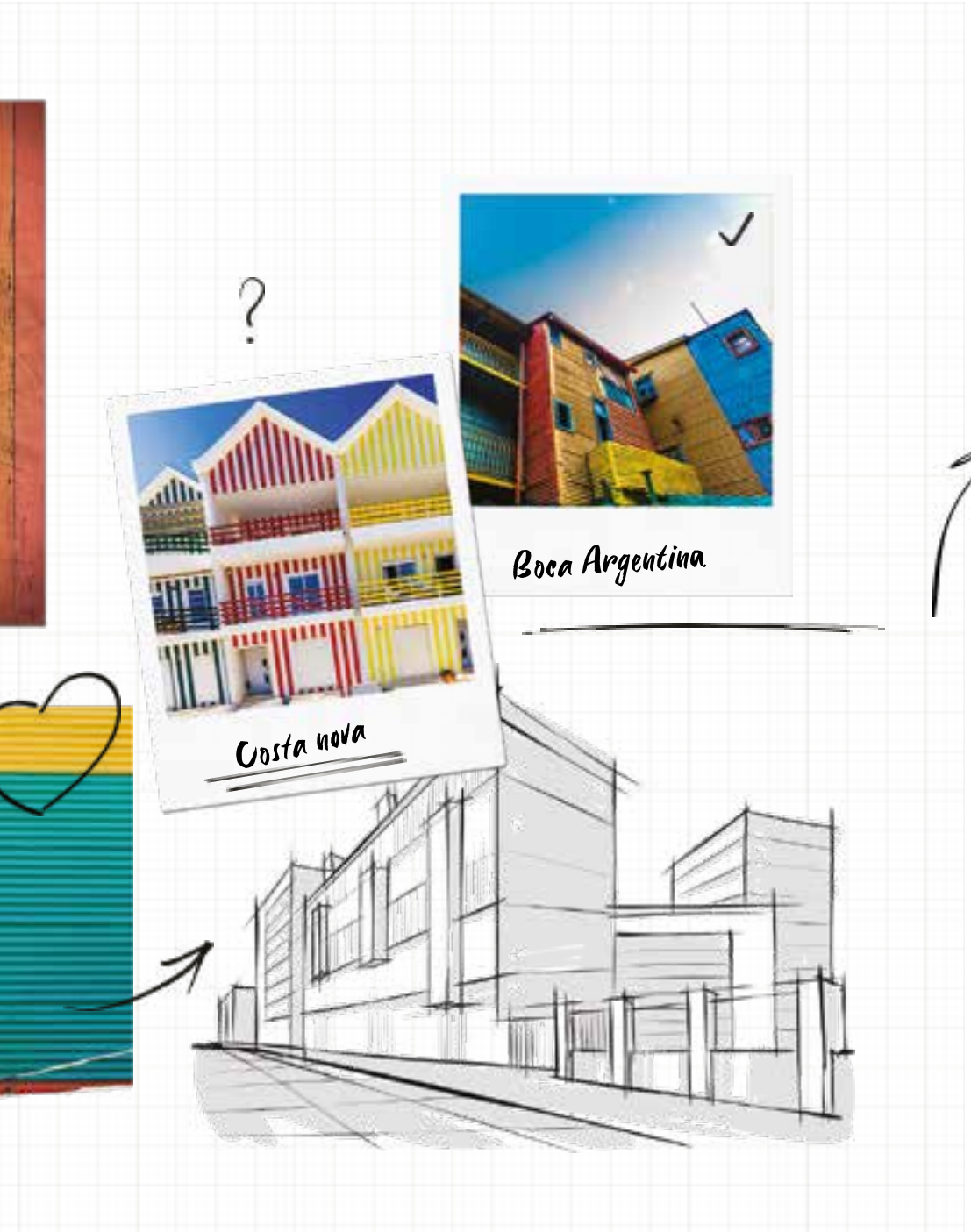
 Architect: A+ Architecture **Products:** ST, Chaotic, Cailloc, Crescendo **Coating & colour:** Stainless steel Touch Gloss **Photographer:** © Drone-ops

Sidings

Perfect form and function from every perspective

Da Vinci once stated, 'simplicity is the ultimate sophistication'. While Mies van der Rohe remarked, 'God is in the details'. Whatever your vision, there are an infinite number of ways to surprise and delight with ArcelorMittal Construction's sidings products. Create straight lines or origami folds to customise façades and balance aesthetic appeal with performance.


Tulip field



Location
Toulouse, France

Architect
IDB Architects + Synopsys

Products
Gascogne

Coating & colour
Hairplus® Lemon, Opale and tints equivalent to Ral 3027, 4005, 6027 and 2008

Building type
Public

Photographer
© Lionel Ruhier

Germaine Tillion High School

ST Evolution

Project
ALSH Animation center

Location
Beychac-et-Caillau, France

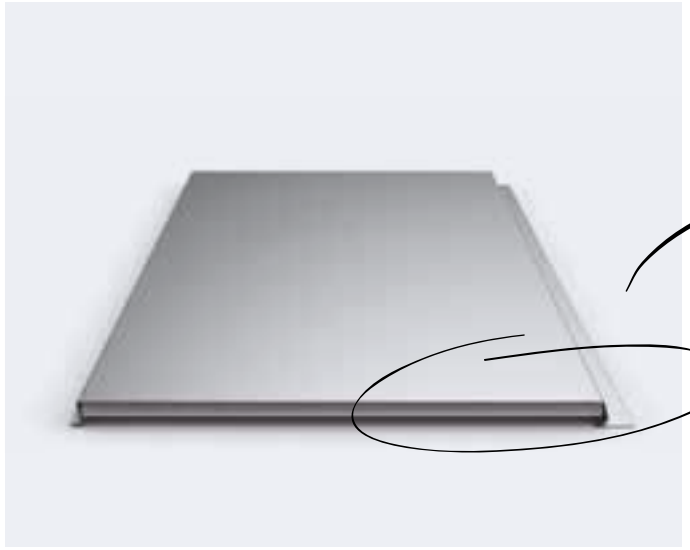
Architect
Agence d'architecture F. Laffitte

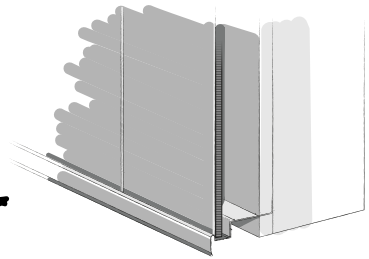
Products
ST

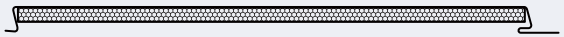
Coating & colour
Hairplus® post-coated
"Old leather"

Building type
Public

Photographer
© Christophe Pit







The linear design of ST Evolution range allows architects to emphasize the perception of expansive space. Very similar to the ST range with its hidden fixings, ST Evolution creates fluid outlines that catch the eye – the key difference being a non-visible synthetic reinforcement on the internal side of the panel, which improves flatness.

- Install vertically or horizontally
- Hidden fixings
- Synthetic reinforcement on internal surface
- Different nesting types available: standard HZ nesting starts from bottom of façade. JCD, JCB and V type nesting also available on demand.

Technical details		
Nominal metal thickness (mm)	1.00	1.50
Weight (kg/m^2)	14.30	18.30
Cover width (mm)	600	900
Max. length (mm)	6,000	4,500
Min. length (mm)	1,000	
Geometry	Flat	
Fixing	Hidden	

Option: Folded end bending

ST & Hairplan®

Project
Media library

Location
Yvetot, France

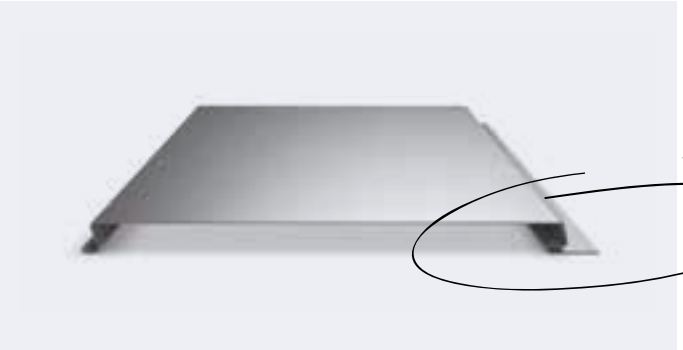
Architect
Patrick Vatre - Archicite

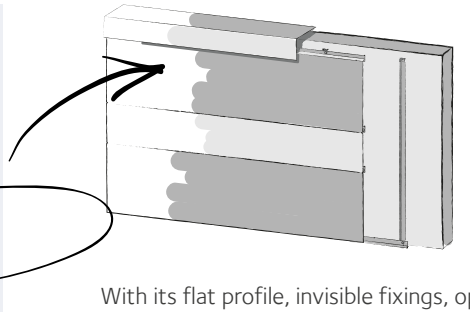
Products
ST

Coating & colour
Irysa® Swan

Building type
Cutural

Photographer
© ArcelorMittal Construction





With its flat profile, invisible fixings, optional closed edges and recessed joints, ST sidings deliver beautifully smooth textures. But smooth doesn't have to mean 'regular' – crumpled folds and surprising shapes can also be created. Combine ST with its sister ST products to fully realise the possibilities of this versatile system.

- Optional closed edges for a neater, more cassette-like finish
- Recessed joints possible
- Invisible fixings
- Install vertically or horizontally
- Different interlocking geometries
- Perforated finishes on request

ST 300 HZ

ST 450 JDB

ST 500 HZ

Technical details	ST 300 HZ	ST 500 HZ
Nominal steel thickness (mm)	1.00	2.00
Weight (kg/m²)	Variable	
Cover width (mm)	300	500
Max. length (mm)	*4,000	8,000
Min. length (mm)	1,000	
Geometry	Flat	
Fixing	Hidden	

*Check with us per type of product

Chaotic

Project
Municipal space Foch

Location
Jarville la Malgrange, France

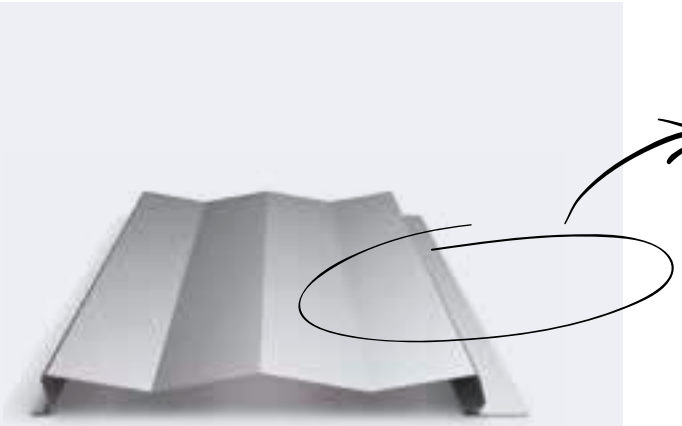
Architect
B2H

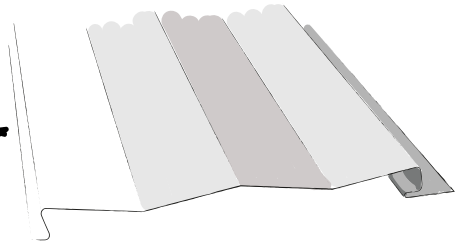
Products
Chaotic

Coating & colour
Irysa® Isatis

Building type
Public

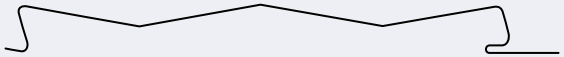
Photographer
© ArcelorMittal Construction





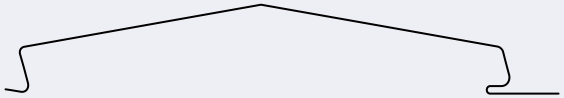
The Chaotic range consists of three different sidings, each of the same width and with its own profile. Combine them in any order to create façades that evoke a sense of kinesis or use them alongside the Crescendo products for more erratic patterns.

- Invisible fixings
- Install vertically or horizontally
- Used on new builds and refurbishments
- Apply over masonry or as a twin skin system
- Perforation on request



Chaotic W

Chaotic VI



Chaotic VS

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m^2)	11.10
Cover width (mm)	300
Max. length (mm)	6,000
Min. length (mm)	1,000
Geometry	'W', concave and Convex
Fixing	Hidden

ST Lumiere

Project
New Frontier

Location
Avilés, Spain

Architect
Sergio Baragaño

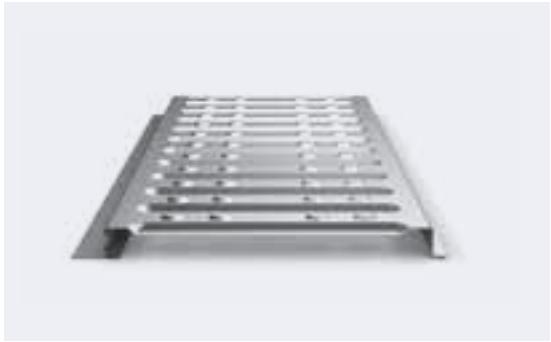
Products
ST, ST Lumière

Coating & colour
Hairexcel® Onyx

Building type
Office

Photographer
© Mariela Apollonio

Blind pattern and shadows



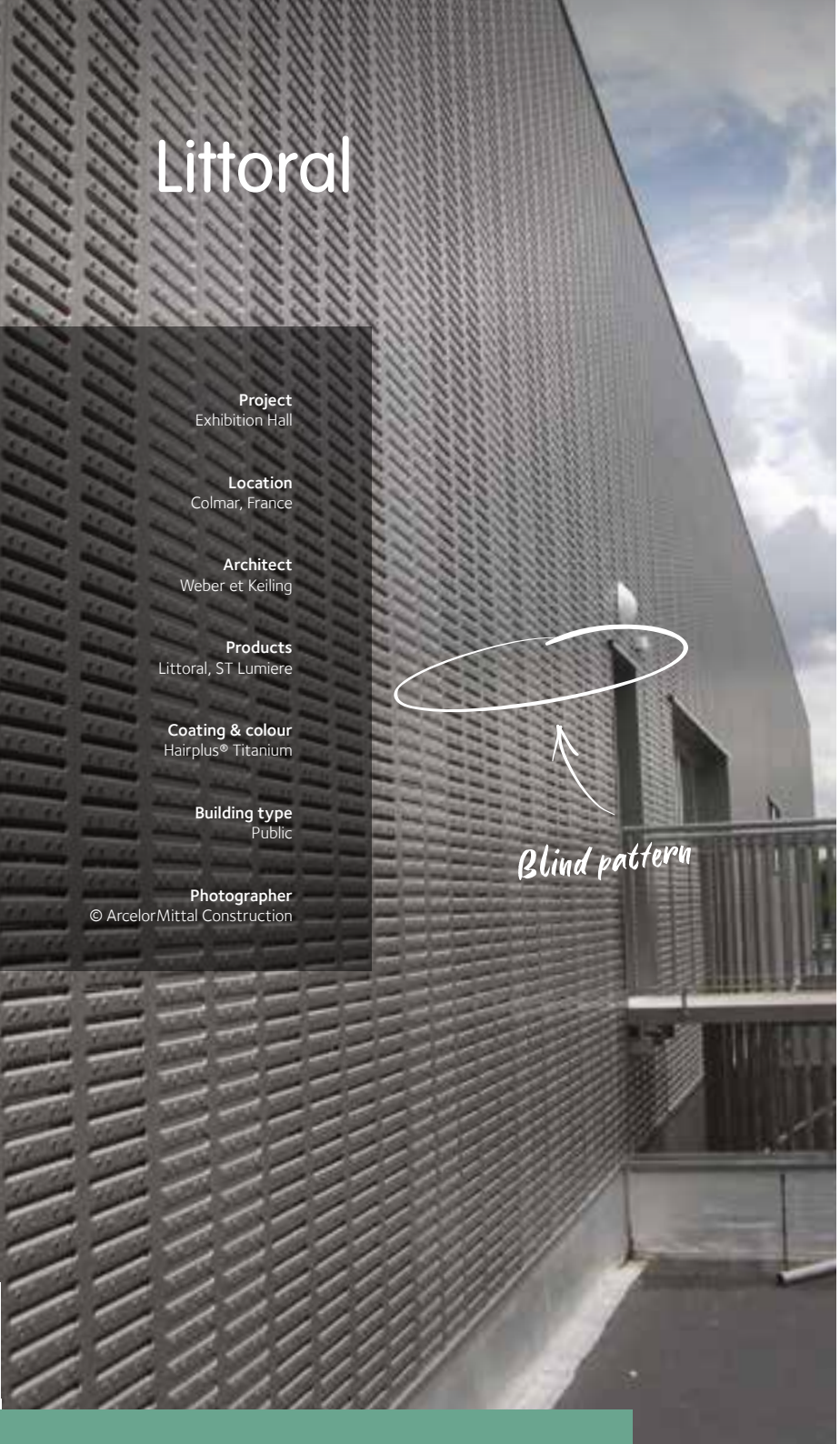
With its distinctive perforation and stamped design, ST Lumiere makes a bold statement as a sunshade, in openwork façades or over roofing. Mix things up by combing it with other ST sister products or with the compatible Littoral siding.

- Incombustible
- Available in classic interlocking and non-interlocking formats
- Invisible fixings
- Additional widths available on request
- Ends can be bent on both sides

Technical details

Nominal steel thickness (mm)	1.00 - 1.20
Weight (kg/m²)	Variable
Cover width (mm)	300
Max. length (mm)	6,017
Min. length (mm)	1,000
Fixing	Hidden

Littoral



Project
Exhibition Hall

Location
Colmar, France

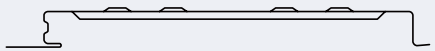
Architect
Weber et Keiling

Products
Littoral, ST Lumiere

Coating & colour
Hairplus® Titanium

Building type
Public

Photographer
© ArcelorMittal Construction



Very similar in appearance to the ST Lumiere but without perforations, striking stamped patterns provide texture to your building façade and are perfect for use as a decorative rainscreen. Littoral sidings are compatible with all products in the ST range.

- Can be used on masonry or in a twin skin system
- Perfect for use on new builds or refurbishment projects
- Incombustible
- Hidden fixings

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	10.80
Cover width (mm)	300
Max. length (mm)	2,000
Min. length (mm)	1,000
Fixing	Hidden

Pulsation

Project
Housing Villa Rohan

Location
Bordeaux, France

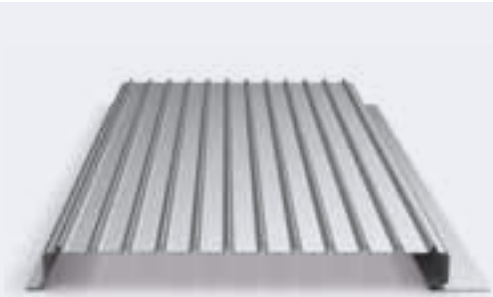
Architect
Atelier Cambium architects

Products
Pulsation

Coating & colour
Hairplus® Mouse

Building type
Residential

Photographer
© Christophe Pit



Small symmetrical ribs catch the light and cast subtle shadows over your building's surface. Use exclusively for a uniform façade or combine pulsation with smooth sidings (such as ST) to provide contrast or relief in texture. Pulsation is compatible with the entire range of versatile ST products.

- Can be used on masonry or in a twin skin system
- Ideal on new builds or renovations
- Incombustible
- Hidden fixings

Technical details

Nominal steel thickness (mm)	1.00
Weight (kg/m²)	13.50
Cover width (mm)	300
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Microbent waves
Fixing	Hidden

Vibrato

Project
Office Building - Charles Foix

Location
Ivry sur Seine, France

Architect
JL Muller

Products
Pulsation, Vibrato

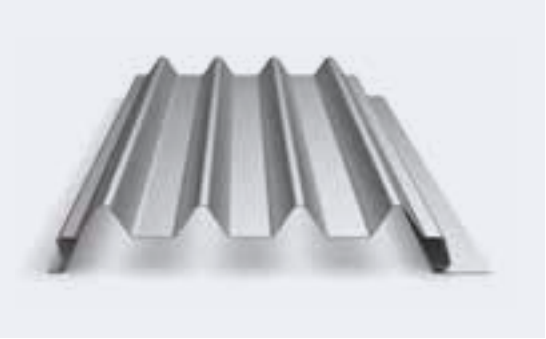
Coating & colour
Hairplus® Zinc

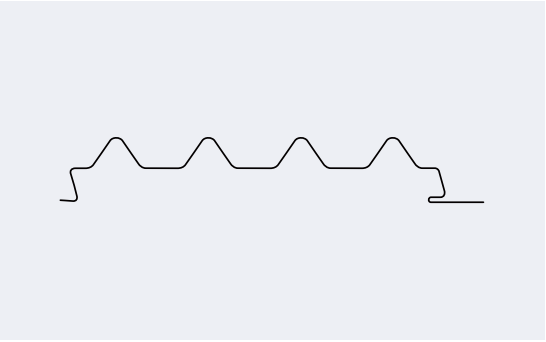
Building type
Office

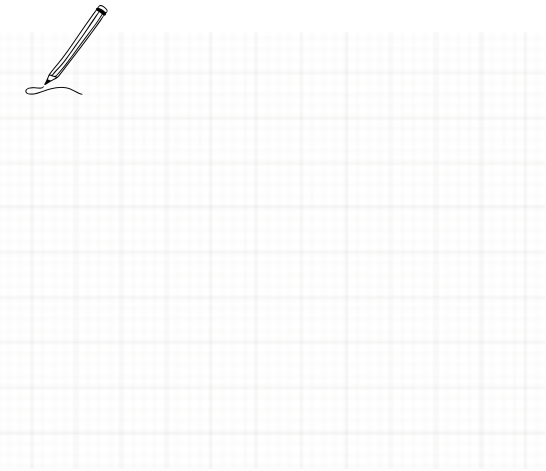
Photographer
© ArcelorMittal Construction

Breaking the flatness

ArcelorMittal







Much like Pulsation, Vibrato can be used to break up vast flat surfaces with a rippled texture that catches light and casts uniform shadows. However, if Pulsation is subtle, Vibrato is ostentatious; tall ridges stand 75mm high for a strong, bold look.

- Can be used on masonry or in a twin skin system
- Ideal on new builds or renovations
- Incombustible
- Hidden fixings

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	13.50
Cover width (mm)	300
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Sinusoidal
Fixing	Hidden

Etnic

Project
MIT Office

Location
Metz, France

Architect
Atelier du Rempart

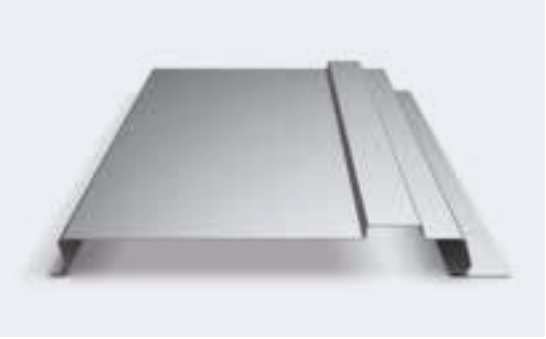
Products
ST, Etnic

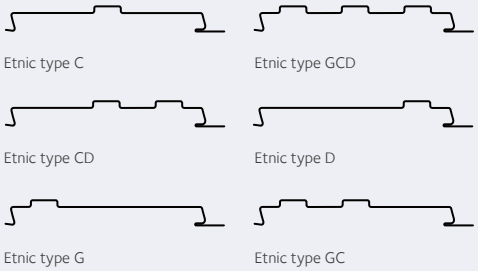
Coating & colour
Hairplus® Silver, Irysa® Octopus, Muralys®

Building type
Office

Photographer
© Olivier Liévin

Randomising the façade





Combine six different Etnic profiles in any sequence to create a façade that's truly one of a kind. Subtle folded blocks create rectangular waves which can be arranged in random linear patterns resembling barcodes. Combine Etnic sidings with ST products to unleash boundless variations.

- For use on new builds, refurbishments, masonry and twin skin systems
- Install vertically or horizontally
- Hidden fixings
- Incombustible
- Perforation, customised widths and geometries possible on request

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	12
Cover width (mm)	300
Max. length (mm)	2,900
Min. length (mm)	1,000
Geometry	Flat with square ribs
Fixing	Hidden

Cailloc

Project
Business Park

Location
Marcq En Baroeul, France

Architect
Atlante Architectes
& Escudié Fermaut

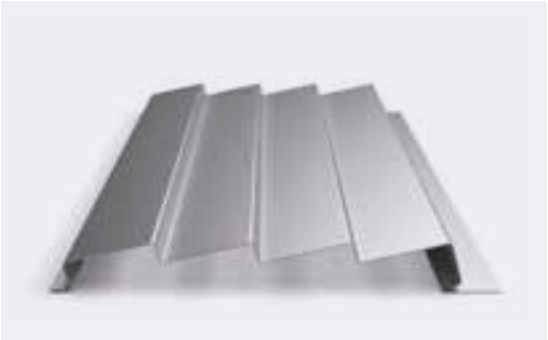
Products
Crescendo, Cailloc

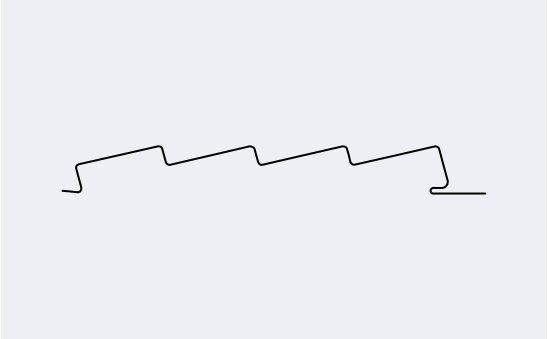
Coating & colour
Authentic Graphit
Intense Champagne

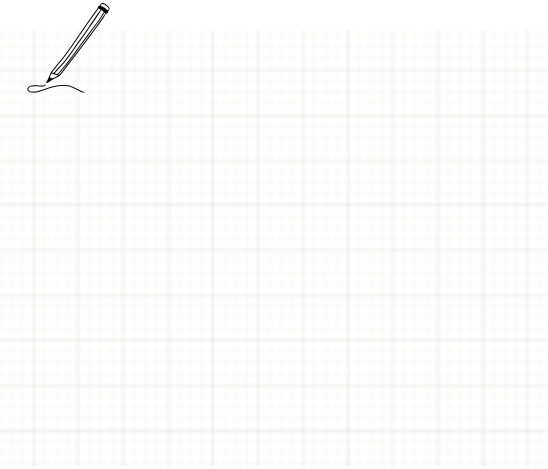
Building type
Office

Photographer
© Christophe Pit

ArcelorMittal







With its saw-toothed design, Cailloc adds a vibrant sense of rhythm to any building. Create Escher-inspired stepped effects, or celebrate the motion of the sea with one of our most versatile sidings. Cailloc can also be combined with Crescendo for a completely unique façade.

- Install vertically or horizontally
- Hidden fixings
- Perforation on request
- Suitable for double skin cladding

Technical details	
Nominal steel thickness (mm)	1.00
Weight (kg/m²)	12
Cover width (mm)	300
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Sawtooth
Fixing	Hidden

Crescendo

Project
Business Park offices

Location
Marcq en Baroeul, France

Architect
Atlante Architectes
& Escudié Fremaut

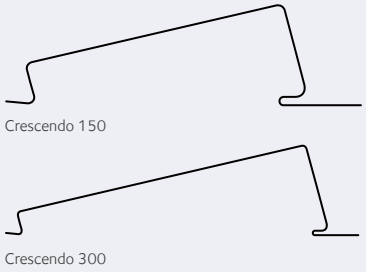
Products
Crescendo

Coating & colour
Authentic Graphit
Intense Champagne

Building type
Office

Photographer
© Christophe Pit

Creation of life in the façade



Smooth and slanted, Crescendo allows you to create interesting random or progressive effects, especially if used together. Crescendo can also be combined with Cailloc to achieve even more striking results.

- Install vertically or horizontally
- Hidden fixings
- Perforation on request
- Suitable for double skin cladding

Technical details	Crescendo 150	Crescendo 300
Nominal steel thickness (mm)	1.00	2.00
Weight (kg/m²)	Variable	Variable
Cover width (mm)	500	300
Max. length (mm)	6,000	6,000
Min. length (mm)	1,000	
Geometry	Gunwale	
Fixing	Hidden	Hidden

Ecaille® and Gascogne

Project
Porte Pouche vehicle impound

Location
Paris, France

Architect
Palast

Products
Gascogne Hybride, Gascogne

Coating & colour
Post-coated in 6 colours

Building type
Industrial and logitics

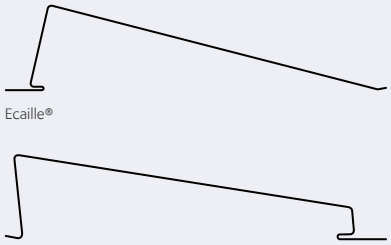
Photographer
© Michel Denancé

Clapboard effect to create rhythms

ArcelorMittal

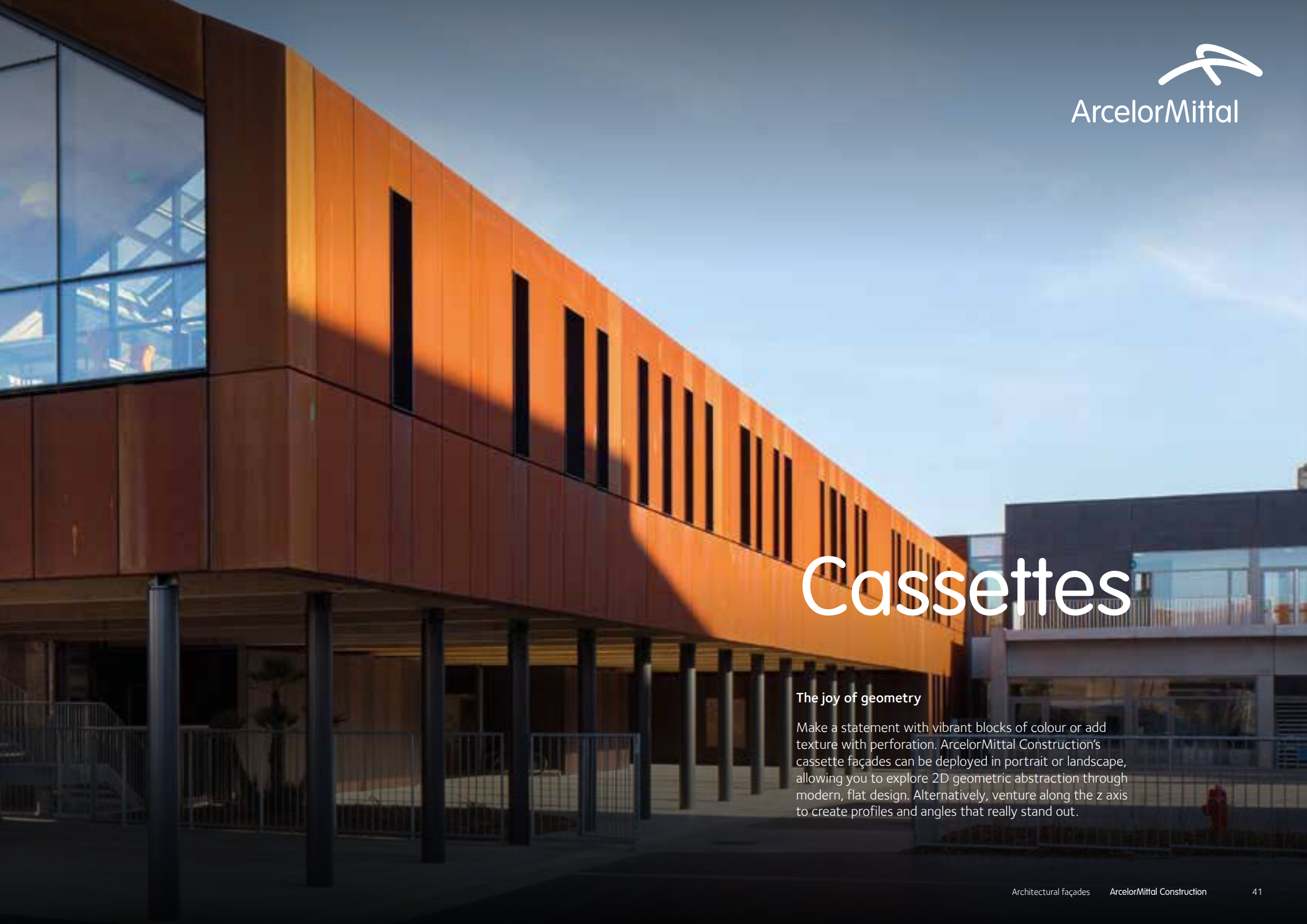
Both Ecaille® and Gascogne sidings display repetitive inclines to provide a layered clapboard effect, allowing architects to play with the rhythms of light and shadow on building façades.

- Incombustible
- Hidden fixings
- Other widths available on request
- Vertical installation
- Perforation and different folded geometries available (Gascogne)



Technical details	Ecaille®	Gascogne
Nominal steel thickness (mm)	1.50	1.00 -1.50
Weight (kg/m²)	16.5	12.9
Cover width (mm)	500	300
Max. length (mm)	6,000	6,000
Min. length (mm)	1,000	
Geometry	Gunwale	
Fixing	Hidden	Hidden

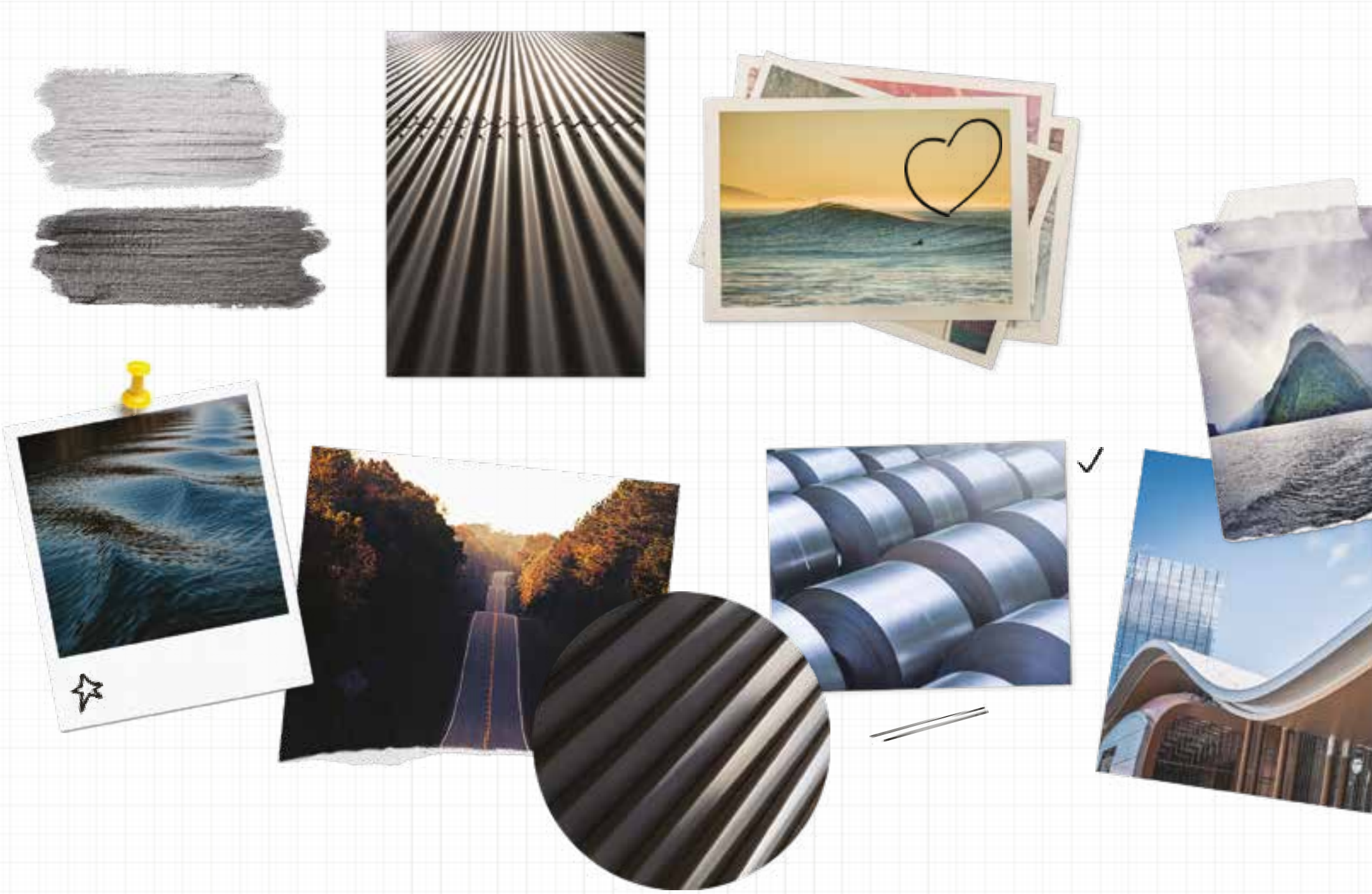
 Architect: ACAUM-Atelier Bettinger Desplanques architectes **Product:** Coque MD® **Photographer:** © Atelier Bettinger Desplanques architectes



Cassettes

The joy of geometry

Make a statement with vibrant blocks of colour or add texture with perforation. ArcelorMittal Construction's cassette façades can be deployed in portrait or landscape, allowing you to explore 2D geometric abstraction through modern, flat design. Alternatively, venture along the z axis to create profiles and angles that really stand out.



Location
La teste de Buch, France

Architect
REC Architecture

Product
Oceane®, Hairplan®

Coating & colour
Pearl Gold Perla

Building type
Commercial

Photographer
© REC Architecture

Commercial Center Leclerc Oceanides

Coque MD®

Project
Verhoeven Bakery equipment

Location
Oss, Netherlands

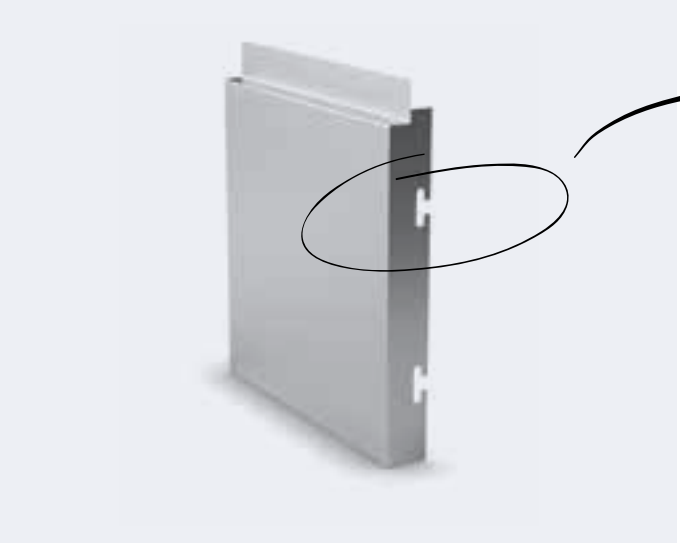
Architect
Ariens CS architects & engineers

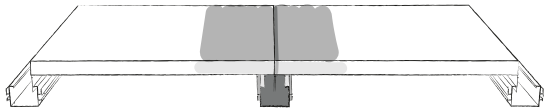
Products
Promisol® S Hybrid with Coque MD® as external skin

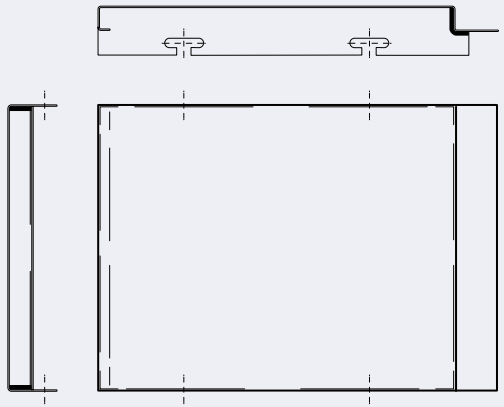
Coating & colour
Authentic RAL 9010, Hairexcel® RAL 7021

Building type
Industrial

Photographer
© ArcelorMittal Construction & LT Photography







Mies van der Rohe famously stated: "Less is more." Highly discreet fixings empower you to create beautifully flat, smooth surfaces with the Coque MD® cassette. Perforation and bending are possible on request and rails can run on any axis posing origami possibilities for intrepid architects.

- Can be used as cladding on masonry, concrete walls or timber frame houses
- Build blind walls or leave openings
- Hollow joints from 3 – 30 mm
- Invisible fixings
- Panels can be removed and replaced without removing an entire row or column of cassettes

Technical details	
Nominal steel thickness (mm)	1.00 or 2.00
Weight (kg/m^2)	Variable
Cover width (mm)	Variable
Max. length (mm)	Variable
Min. length (mm)	-
Geometry	Elevated flat
Fixing	Hook-on system

Larger sizes can be supllied with Coque MD® Evolution

Coque SP

Project
Uda Jaude - University

Location
Clermont-Ferrand, France

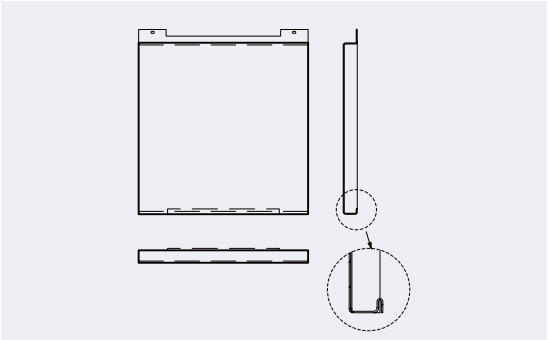
Architect
Atelier 4

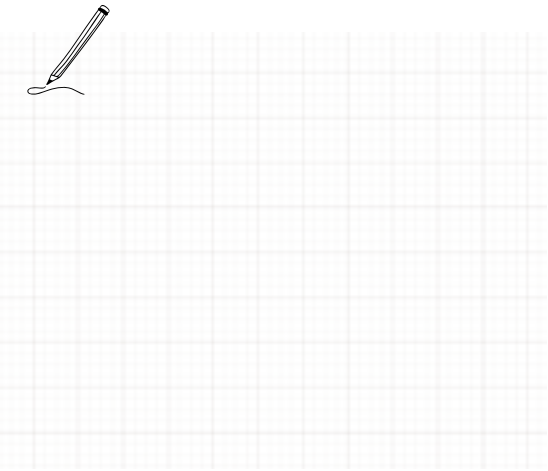
Products
Coque SP, Cassette SP

Coating & colour
Aluminium post anodisation bronze

Building type
Educational

Photographer
© ArcelorMittal Construction





Coque SP cassettes combine to create flat surfaces with simple detail provided by hollow joints of up to 20mm. Hidden fixings on galvanised Omega-style frames keep façades elegant and clean.

- Can be used as cladding on masonry, concrete walls or timber frame houses
- Use on new builds and refurbishments
- Hollow joints up to 20 mm
- Hidden fixings
- Perforation available on request

Technical details	
Nominal steel thickness (mm)	1.00 or 2.00
Weight (kg/m²)	Variable
Cover width (mm)	Variable
Max. length (mm)	Variable
Min. length (mm)	-
Geometry	Flat
Fixing	Hidden

Coque BS

Project
E-Health

Location
Anderlecht, Belgium

Architect
Mertens Architecten

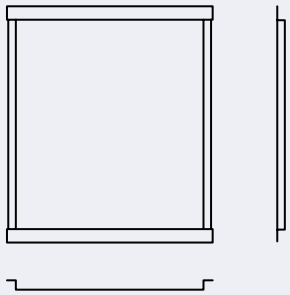
Products
Promisol® S Hybrid with
Cassettes BS as external skin

Coating & colour
Authentic RAL 9016

Building type
Office

Photographer
© ArcelorMittal Construction

Highlighting the flatness with the hollow joints



Coque BS cassettes deliver flat profiles with simple detail owing to their 33 mm hollow joints. Visible fixings add a subtle industrial charm.

- Can be used as cladding on masonry, concrete walls or timber frame houses
- Use on new builds and refurbishments
- Installed upon steel U-shaped frames
- 33 mm hollow joints
- Optional vertical joint cover
- Perforations possible
- Visible fixings

Technical details

Nominal steel thickness (mm)	1.00 or 2.00
Weight (kg/m²)	Variable
Cover width (mm)	Variable
Max. length (mm)	Variable
Min. length (mm)	-
Geometry	Flat
Fixing	Visible

Coque MD® Origami

Project
Middle School Langevin Wallon

Location
Blainville Sur l'Eau, France

Architect
Sébastien Malgras.
Bagard et Luron

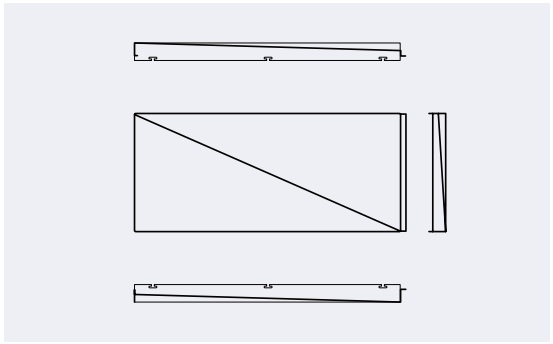
Products
Coque MD® Origami

Coating & colour
Pearl Gold Perla

Building type
Educational

Photographer
© ArcelorMittal Construction

Fixes on hidden railings for a smooth, flawless surface



Create playful dimensions and perspectives which multiply across the face of your structure with Coque MD® Origami. Fixed with hidden railings beneath the building skin, this distinctive cassette system provides smooth, uniform flowing surfaces which undulate through a multitude of angles and folds.

- Creased cassettes can be configured to create a multitude of origami patterns
- Can be used as cladding on masonry, concrete walls or timber frame houses
- Build blind walls or leave openings
- Hollow joints from 3 – 30 mm
- Invisible fixings
- Panels can be removed and replaced without removing an entire row or column of cassettes

Technical details	
Nominal steel thickness (mm)	1.50
Weight (kg/m²)	Variable
Cover width (mm)	Variable
Max. length (mm)	Variable
Min. length (mm)	-
Geometry	Elevated multi-dimensional
Fixing	Hook-on-system

ST Origami

Project
L'AMPLI

Location
Fontenay-Le-Fleury , France

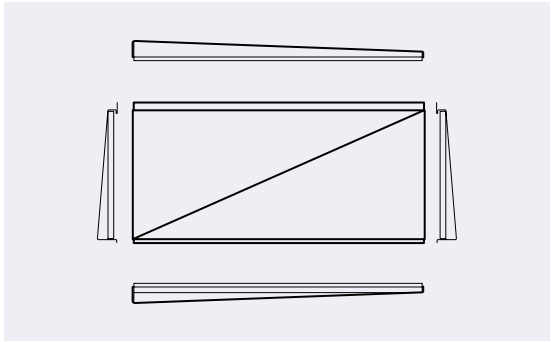
Architect
Architectureo / Hamadryade

Products
ST Origami perforated

Coating & colour
Intense Champagne double sided

Building type
Residential

Photographer
© Sergio Grazia



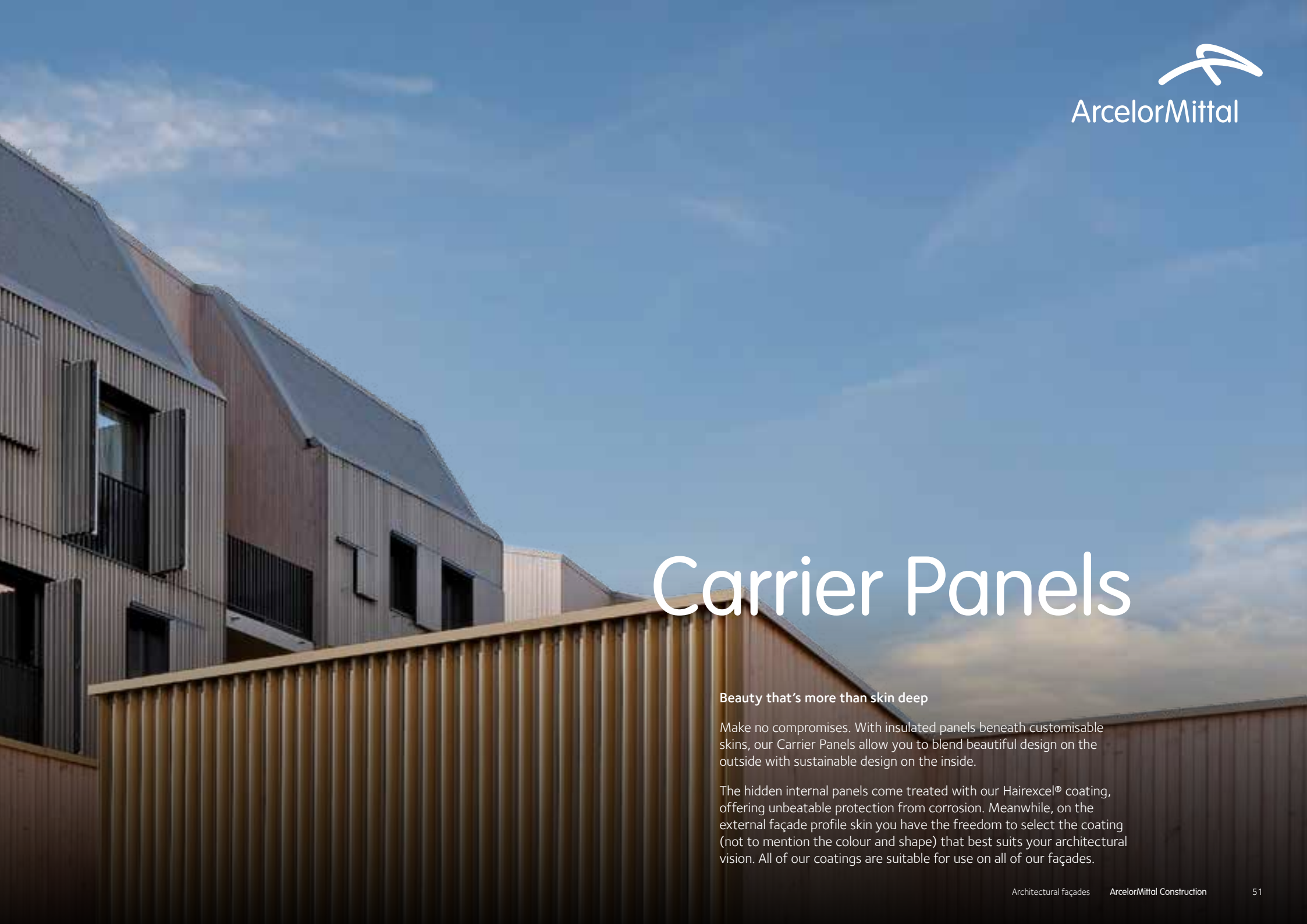
With invisible fixings, the ST Origami siding system delivers a flawless, flowing surface to your structure. Identifiable by its distinctive, angular creases, this product can be arranged in a configuration of your choosing to develop flowing geometric patterns and eye-catching detail. Whatever the shape of your building, ST Origami will create a different reality from the outside looking in.

- Distinctive origami profile
- Invisible fixings
- Different interlocking geometries
- Perforated finishes on request

Technical details

Nominal metal thickness (mm)	1.50
Weight (kg/m²)	Variable
Cover width (mm)	500
Max. length (mm)	4,000
Min. length (mm)	1,000
Geometry	Elevated multi-dimensional
Fixing	Hidden

 Architect: Agence Schurdi-Levraud Architecture **Products:** Trapeza® **Coatings & colour:** Authentic Pyrite Hairexcel® Gold **Photographer:** © Christophe Pit



Carrier Panels

Beauty that's more than skin deep

Make no compromises. With insulated panels beneath customisable skins, our Carrier Panels allow you to blend beautiful design on the outside with sustainable design on the inside.

The hidden internal panels come treated with our Hairexcel® coating, offering unbeatable protection from corrosion. Meanwhile, on the external façade profile skin you have the freedom to select the coating (not to mention the colour and shape) that best suits your architectural vision. All of our coatings are suitable for use on all of our façades.

Color
Gold

Location
Asturias, Spain

Architect
Sergio Baragaño

Products
Archisol®, Eclectic® perforated

Coating & colour
Solexcel® Gold

Building type
Residential

Photographer
© Mariela Apollonio

Room 2030

Archisol®

Project
Room 2030

Location
Asturias, Spain

Architect
Sergio Baragaño

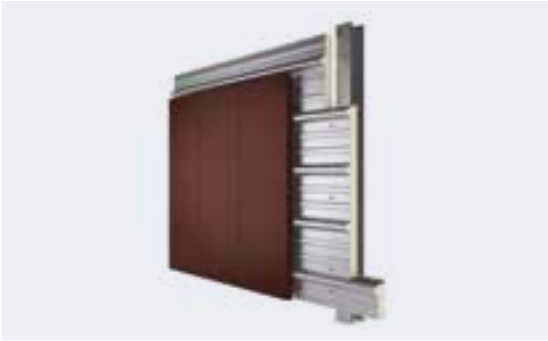
Products
Archisol®, Eclectic® perforated

Coating & colour
Solexcel® Gold, Hairexcel® Gold

Building type
Residential

Photographer
© Mariela Apollonio

External shape can be selected to match your vision



The all-in-one cladding solution that insulates and captivates. A layer of high-performance Archisol® provides thermal performance, while an exterior wall or façade profile of your choice gives you total freedom of aesthetic design.

- Huge range of compatible exterior skins
- Hidden fixings
- Excellent airtightness
- PIR foam PRT Hexacore® available
- ACERMI certification
- Thermal transmittance Uc down to 0.157 W/m².K (140 mm thick)

Technical details

Steel thickness ext. face supporting panel (mm)	0.75
Max allowed ext. skin weight (Kg/m²)*	30
Max. span of panel (m)*	6.5
Insulation thickness (mm)	60 - 140
Mounting	Vertical & horizontal

* It is necessary for ArcelorMittal Construction to approve each project. We decline any responsibility if there is no written approval per project.

Our carrier panels use Hairexcel® coating to ensure protection against corrosion.

Promisol® S Hybrid

Project
Verhoeven Bakery Equipment

Location
Oss, Netherlands

Architect
Henk Ariëns

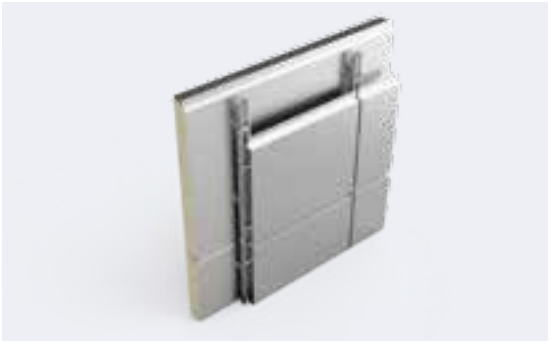
Products
Promisol® S Hybrid & Coque MD

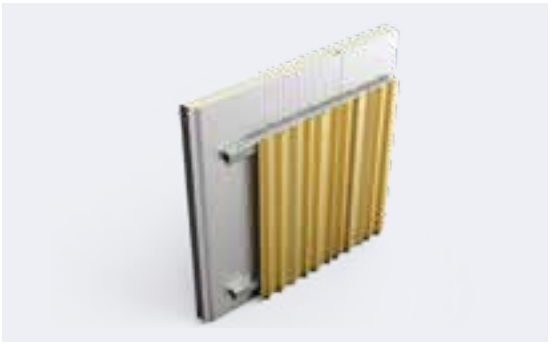
Coating & colour
Hairexcel® 7021

Building type
Office and production

Photographer
© LT Photography

ArcelorMittal





There's much more to our Promisol® S Hybrid panels than meets the eye. External steel skins in a plethora of colours and textures encase a secret-fix sandwich panel with an insulated foam core. This composite design combines unparalleled thermal performance with durability in an almost limitless range of styles.

- Vertical or horizontal installation
- Hidden fixings
- Exceptional airtightness
- 5 thicknesses of insulation core available from 50 – 140 mm
- PIR foam PRT Hexacore® available
- ACERMI certification
- Thermal transmittance Uc down to 0.149 W/m²K (for 120 mm thick)

Technical details	
Steel thickness ext. face supporting panel (mm)	0.75
Max allowed ext. skin weight (Kg/m²)*	20
Max. span of panel (m)*	5
Insulation thickness (mm)	50 - 140
Mounting	Vertical & horizontal

* It is necessary for ArcelorMittal Construction to approve each project. We decline any responsibility if there is no written approval per project.

 Architect: A+ Architecture **Products:** Creneo **Coating & colour:** Hairplus® Titanium **Photographer:** © Camille Gharbi

Bespoke

Push the building envelope

Go further. Test the limits of your imagination with tailor-made façades in infinite combinations of colour and shape for something truly one of a kind. Just like the architects and designers we love to work with, our R&D department are constantly pushing boundaries to open up new possibilities in façade materials and approaches. Together, we continue to revolutionise our urban landscapes by venturing into the unexplored.

Colours and coatings

With up to 40-years warranty available, our wide range of coatings don't just look beautiful, they look beautiful for longer. We'll work with you to narrow down millions of colour and coating combinations to find exactly the look and performance you desire.

Explore our organic coatings

Stardust®: VENUS
RUV4 & RC5

Add a celestial sparkle to your façade with a choice of refined golden and silver glitters for an aesthetic that's out of this world.

Irysa®: ISATIS
RUV4 & RC4

Inspired by nature and animals, achieve shimmering iridescence with our Irysa® coating for a look that's both contemporary and timeless.

Pearl: GOLD PERLA
RUV4 & RC5

For a façade with radiant luster, try our Pearl organic coating. Play with light and colour as your building aesthetic changes depending on your angle of approach.

Sinea®: OCEAN
RUV4 & RC5

Sometimes, beauty is tough. Achieve the ultimate protection with our Sinea coating. Ideal for use in the most extreme environments, this coating retains its sheen and colour no matter what.

Hairexcel®: EMERALD
RUV4 & RC5

With a grainy appearance, high durability and resistance to UV exposure and corrosion, Hairexcel® is designed to withstand whatever life and the elements can throw at it.

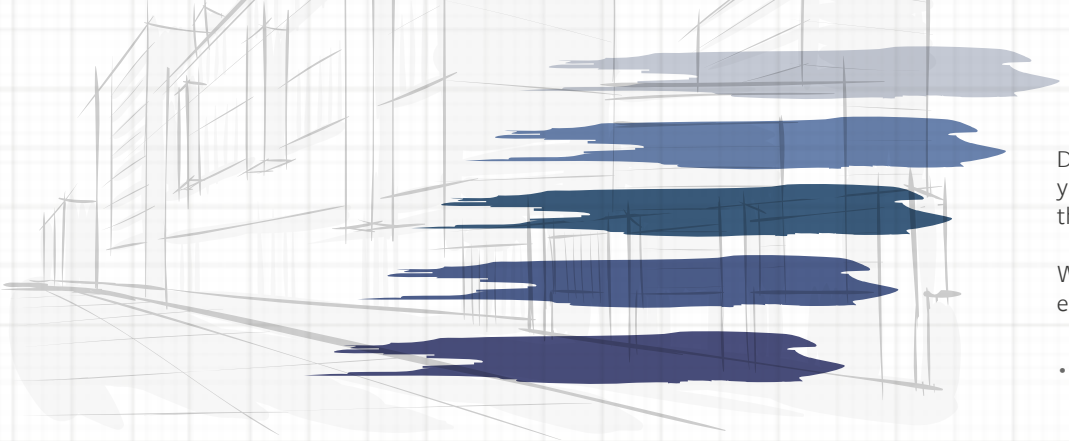
With millions of colour and coating combinations, we'll help you find exactly what you're looking for.

Colour Freedom

Enhance the world around you through a symphony of colour, with a palette that never ends.

Texture

Pre-painted mineralised and matt layers alter diffraction to add a veined marble or wood grain texture to your façade. Add character with the **Edyxo®** range of coatings.



Discover our palette of outstanding colours, including iridescent and pearl finishes, or create your own. Whether you want to be bold, subtle or blend into your environment, we can deliver the colour you're looking for.

We control every part of the production process through our integrated supply chain, which enables us to:

- **Tailor-make every finish to meet your specific requirements**
- **Provide you with the tools you need to achieve your creative goals**
- **Empower you to enhance the world around you with colour**

Whatever your design ambitions, we will work hard to support your creativity and offer the perfect aesthetic solutions you need for your projects.

ZMevolution®

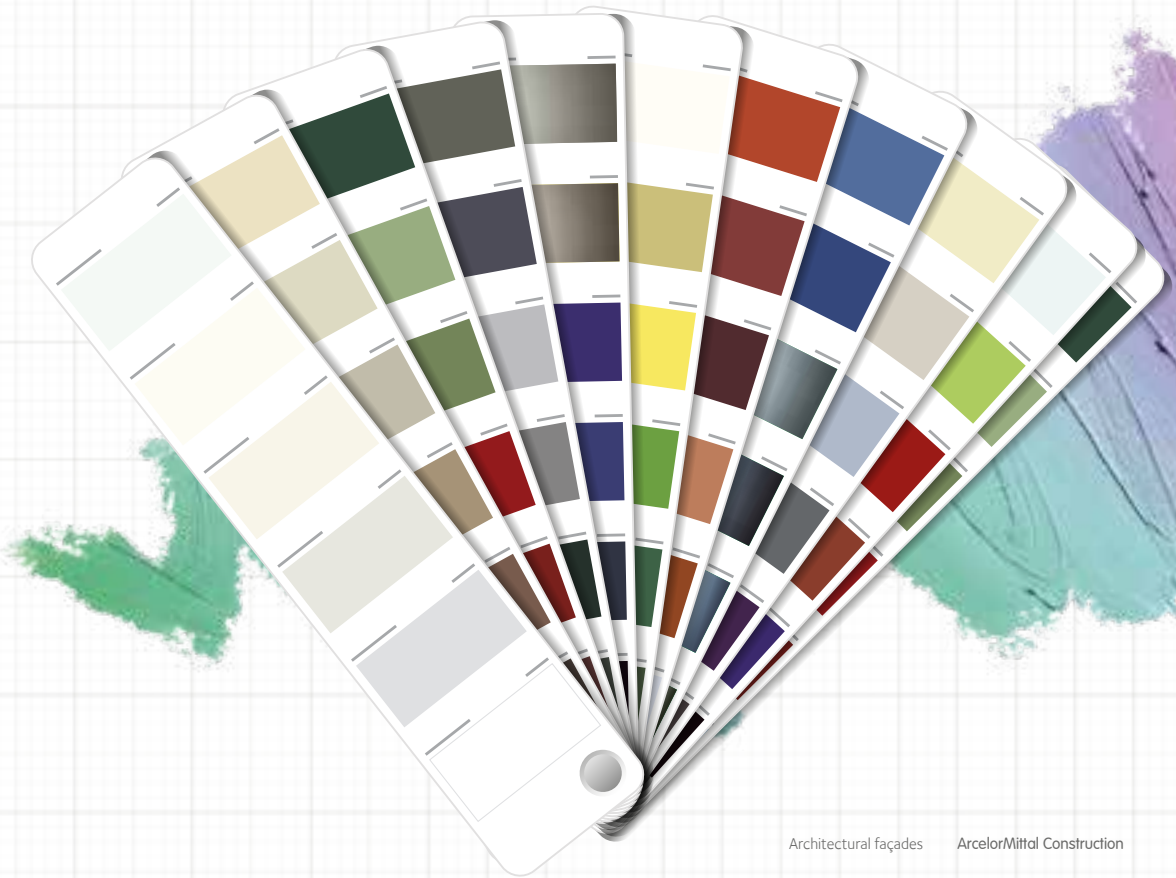
A unique galvanized metallic coating with superior corrosion resistance. Lasting up to three times longer than standard zinc coatings, ZMevolution® offers a greater flexibility, better aesthetics and a lighter weight. This environmentally friendly coating reduced 46% of CO_2 emissions from galvanizing 1 kg of steel. Hence, ArcelorMittal Construction has contributed to a cumulative saving of 100 million kg of CO_2 emissions since it has replaced standard galvanization with ZMevolution®.

Shield

Protect your creations from graffiti with **Flontec®**; a pre-painted steel that wipes clean of spray paint and marker pens. Check our Material Guide for more info.

Create

Create something truly unique with **Muralys®**. Our ground-breaking molecular digital printing process allows you to add any image, pattern or text to your façade.



Perforation

Project: Marc-Sangnier cultural center **Architect:** Karine Millet **Photographer:** © SBE552-ELITE D&B

If the countless combinations of colours, profiles and textures of ArcelorMittal Construction's products aren't enough for you, a vast number of our façades can also be perforated. Perforation not only provides added detail to any building, it also serves perfectly for sunshades or – through its partial translucency – enables you to reveal hints of the structure that lies beneath the surface.

Stainless steel

Project: Imax room at cinema Gaumont **Architect:** Atelier 4 + Lyon **Photographer:** © Denis Paillard

Stainless steel is both durable and recyclable making it an excellent building material from a sustainability perspective. Available in a wide range of colours and finishes. It can be polished, matt, engraved, sandblasted or woven, making it very stylistically versatile and increasingly popular in many forms of architecture.

- 100% recyclable
- Cost effective – maintenance free with long life expectancy
- Corrosion resistant
- Strength-to-weight advantage

Indaten®

Project: Lanson pressing center **Architect:** SARL d'Architecture PACE **Photographer:** © ArcelorMittal Construction

Self-protecting steel with excellent resistance to atmospheric corrosion and a raw aesthetic. Over time and with exposure to the elements, Indaten® develops its own unique patina, which provides both a protective, natural coating and a distinctive coloration.

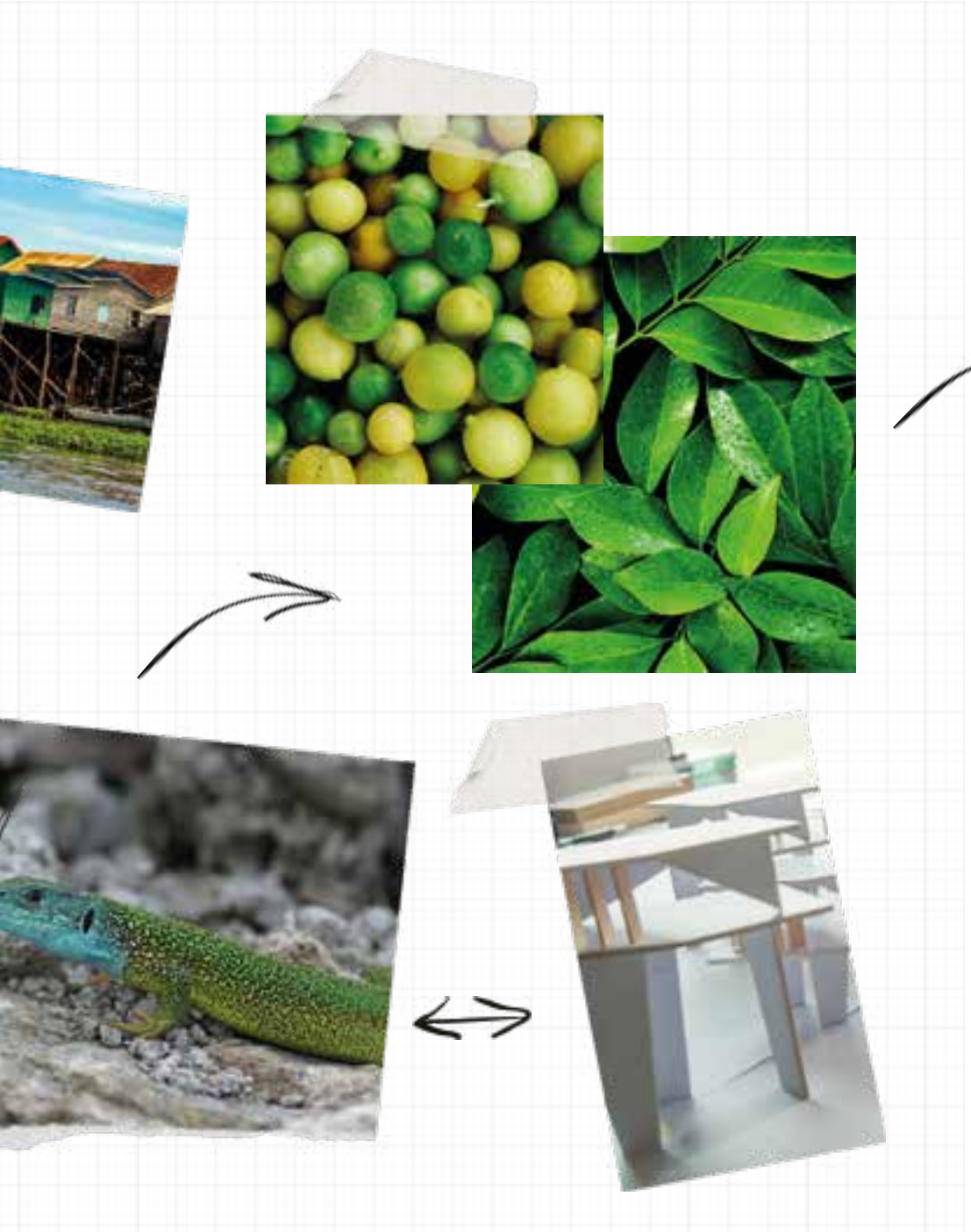
- 100% recyclable
- Cost effective, requiring minimal maintenance
- Life expectancy over 80 years
- Excellent corrosion protection
- Can be perforated

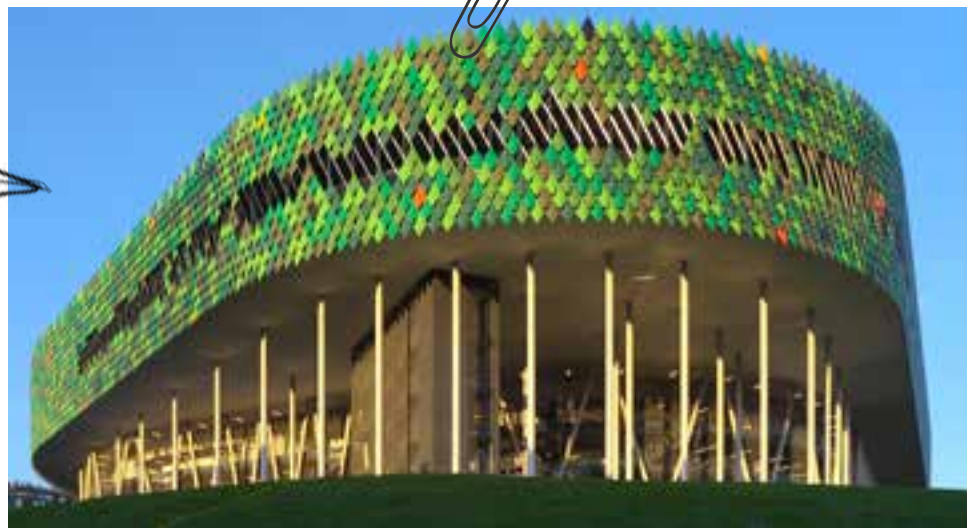
Muralys®

Project: Montpellier Arena **Architect:** A3 Argouache **Photographer:** © ArcelorMittal Construction

Boundless Creativity

Adorn your building with any image, text or pattern: Muralys® is a ground-breaking molecular digital printing process that can be used to customise all ArcelorMittal Construction products. Such is the exceptional resolution of the prints, that truly any design is possible.





Arena Bilbao

Location
Bilbao, Spain

Architect
ACXT - IDOM

Products
Alligator scale

Coating & colour
Hairultra®, Hairflon® customised green

Building type
Sport

Photographer
© ArcelorMittal Construction

Architect: André & Moulet architecture Photographer: © Olivier Dancy

Inventing smarter steels
for a better world

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