

# Artellion

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English <https://livingspace.dnp.co.jp/en/arttec/>



German <https://livingspace.dnp.co.jp/de/arttec/>

# DNP



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# Creating Never Before Seen Landscapes

"I want the texture and feel of natural

"I want a complex shape, but the detailed design

How can we achieve a harmonious balance between the design you

Artellion is the solution that meets the aspirations of creators

materials but face structural limitations."

can not be achieved with the preferred material. "

envision and the functionality required of building materials?

pursuing to unite aesthetic appeal with essential performance.

# Elevate the Aesthetics of Building Envelopes

Various Outdoor Applications of Artellion

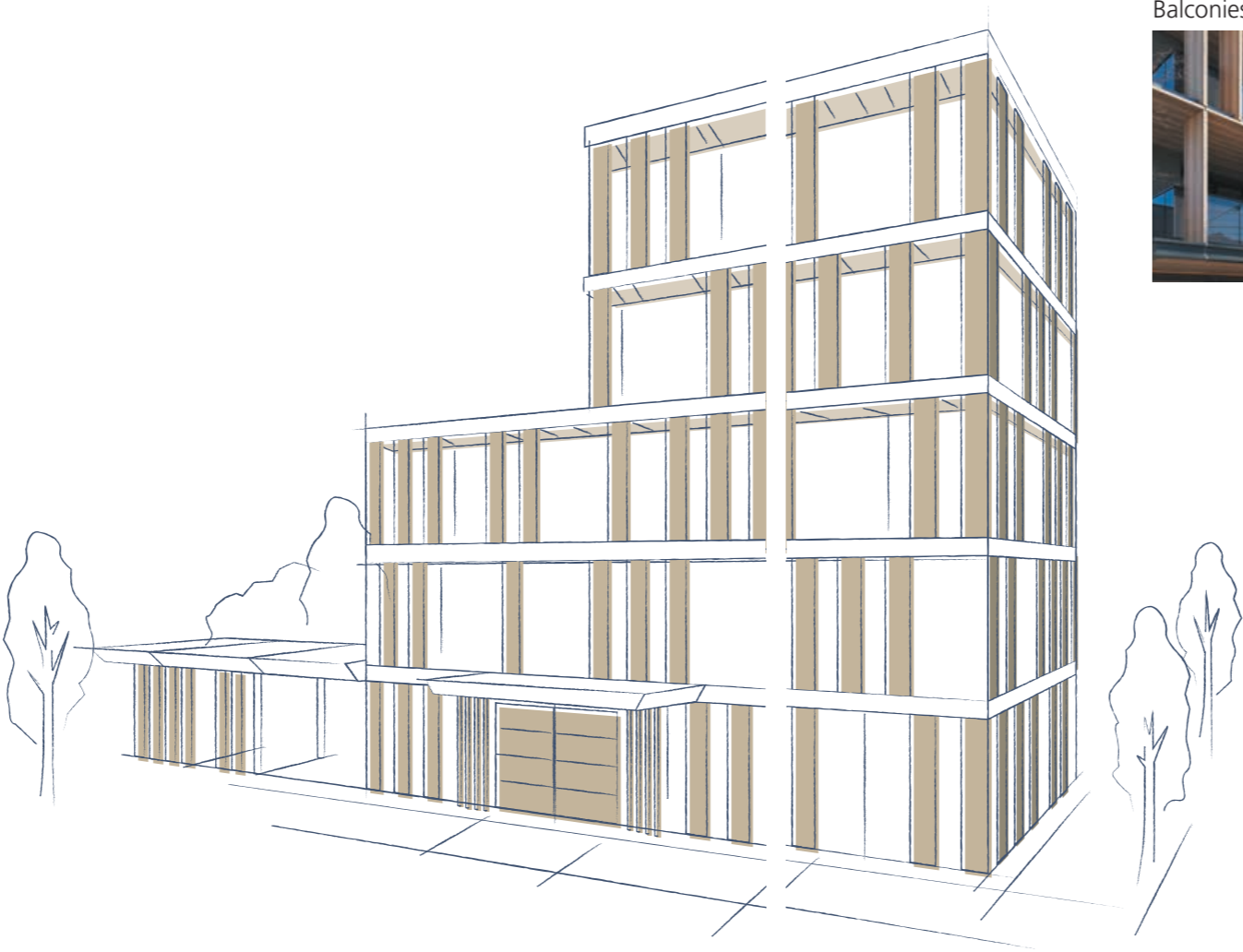
Façade



Fins/Mullions



Entrance eaves



Balconies



Air conditioner coverings



Exterior Wall Cladding



Exterior Louvers



Exterior accents



Soffits



Entrance doors



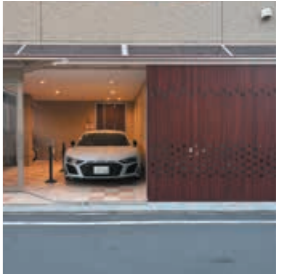
Porch eaves/Frieze boards



Entrance gates



Slide shutters



# Exterior Wall Cladding / Rainscreen Cladding

Long spans for unique and stylish exteriors

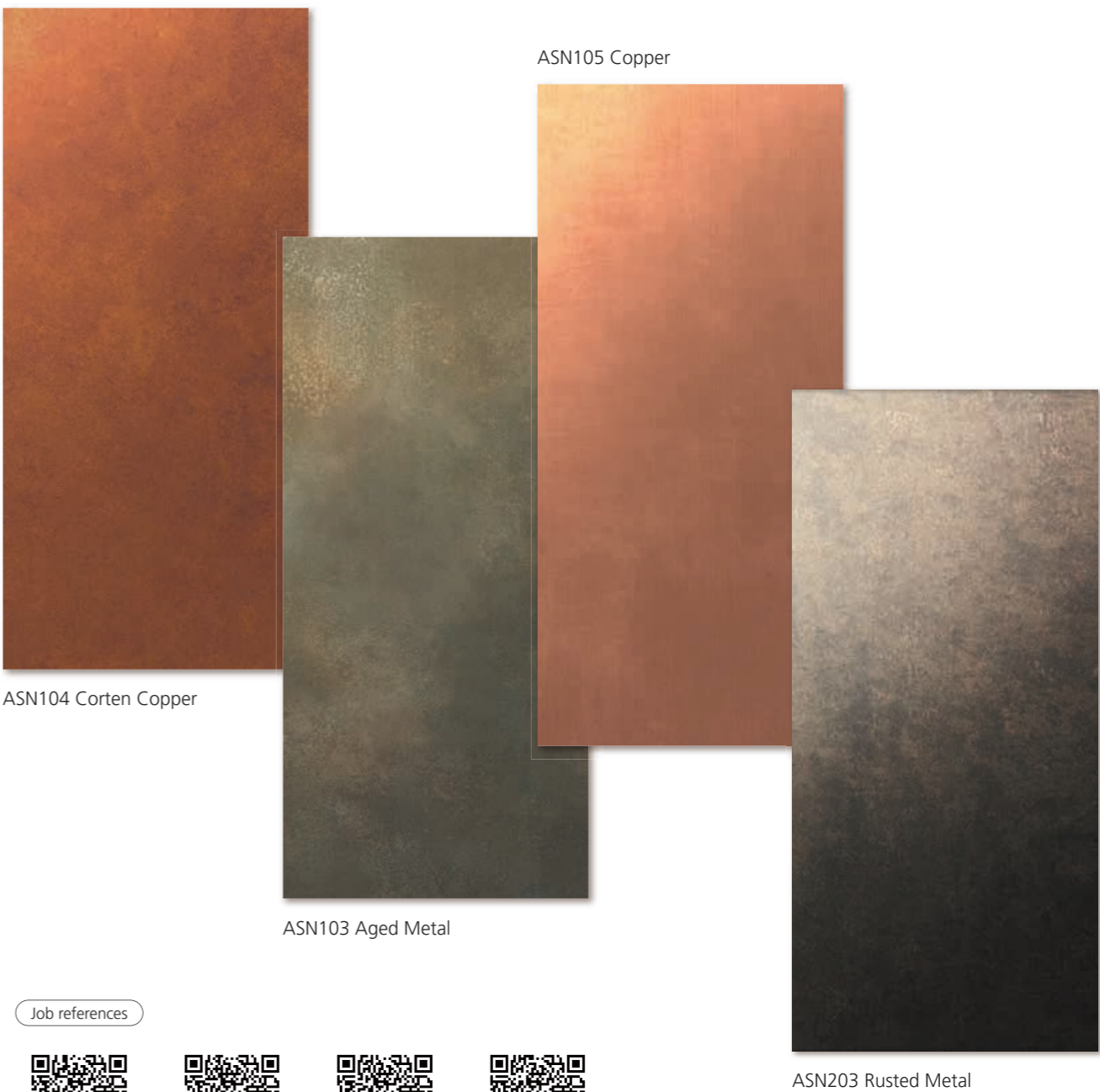


Used for: Wall surfaces, eaves, and square pillars

## Key Points for Enhancing Value

We replicated the uneven aging metal appearance of copper and Corten steel which is highly demanded in both interior & exterior use. Artellion is available in long-span panels of up to 4.5 metres in length. It also addresses the issues associated with genuine copper and Corten steel, such as colour variation, rust dripping, and extended procurement times.

### The Collection

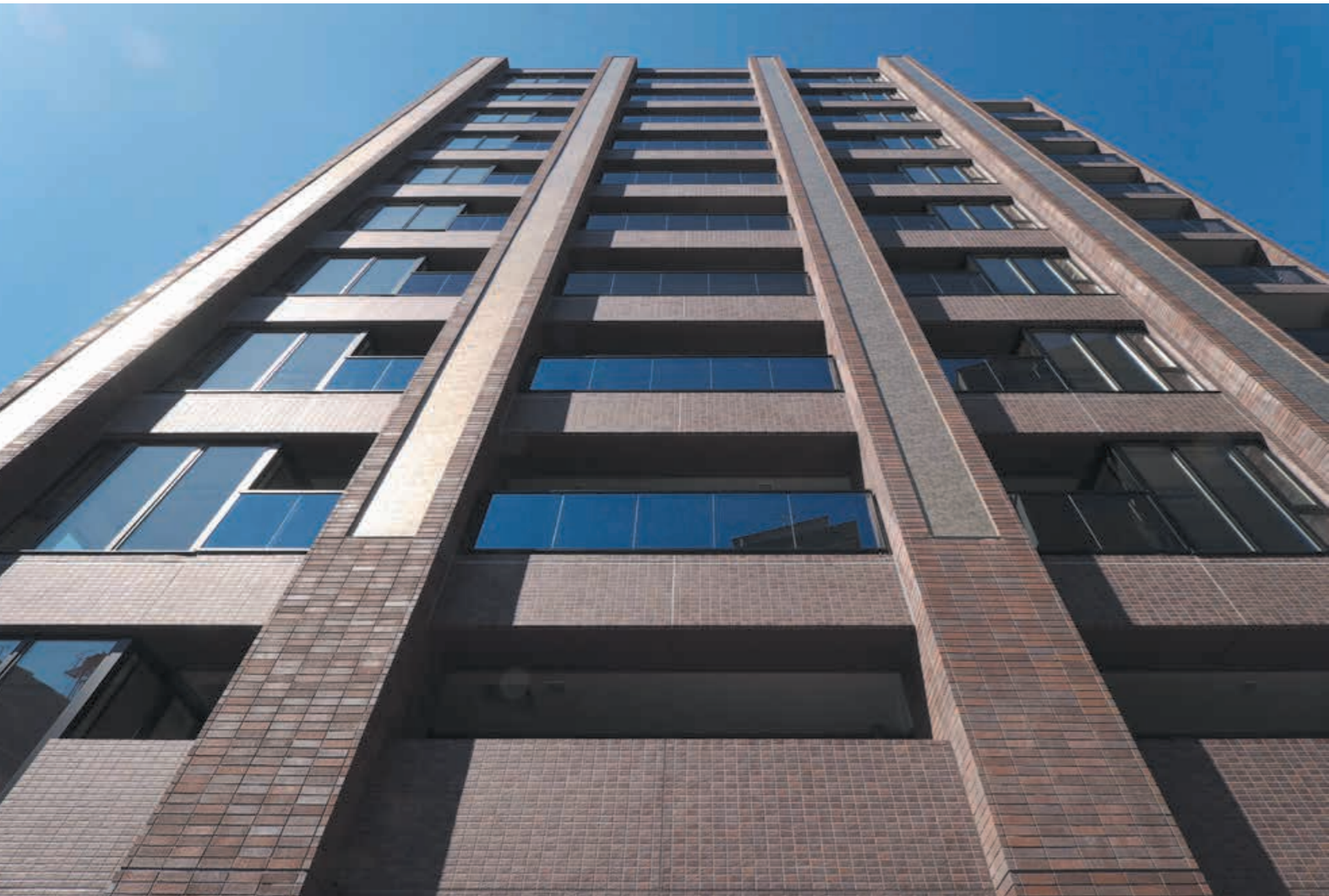


Job references



# Mullions

Giving the exterior stylish impression using high-in-demand metal materials

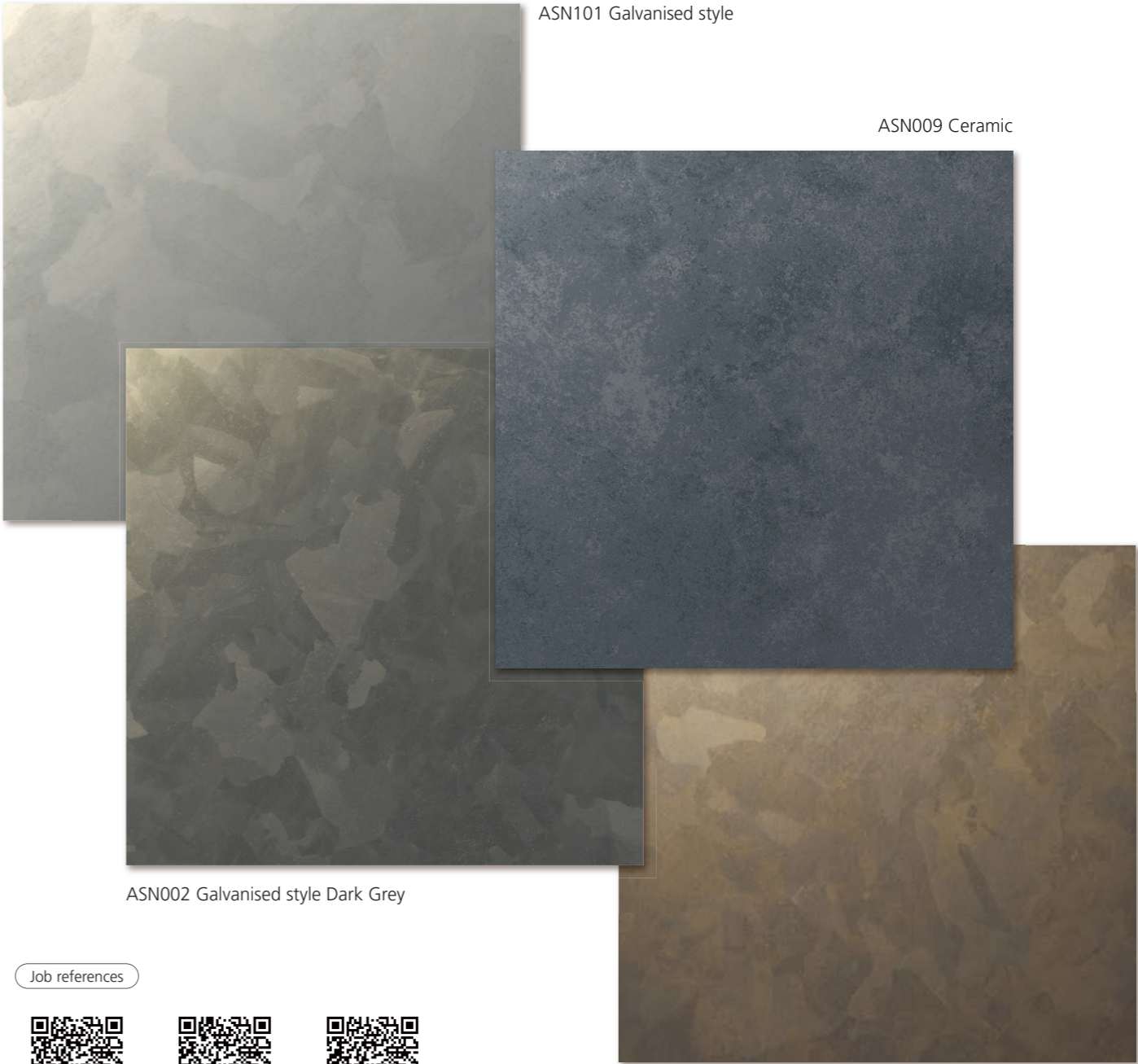


Used for: Mullion slits

## Key Points for Enhancing Value

The appearance of Artellion's metallic finish will change as it catches the light in various weather conditions, seasons, and times of the day, which cannot be achieved with metallic paint. Additionally, by replacing valuable stone materials with Artellion, you will not need to worry about the instability of natural materials and the weight of real stone.

## The Collection



ASN101 Galvanised style

ASN009 Ceramic

ASN002 Galvanised style Dark Grey

ASN201 Galvanised style Dark Brown

### Job references



Teikei Shinjuku Building



The Sanmaison  
Nibancho Eldo



Park Court Akasaka  
Hinokicho The Tower

# Balcony and Exterior Cladding

Create a symbolic building using colourful balcony spaces and exterior cladding



Used for: Partitions, eaves, and outer walls

## Key Points for Enhancing Value

Matching the finish for balcony soffits and partitions materialises the impressive beauty of the building envelope. Furthermore, a well-harmonised, high-end finish on the exterior wall cladding adjacent to the balconies elevates the overall aesthetics of the building with its more appealing appearance compared to conventional aluminium exterior cladding.

### The Collection

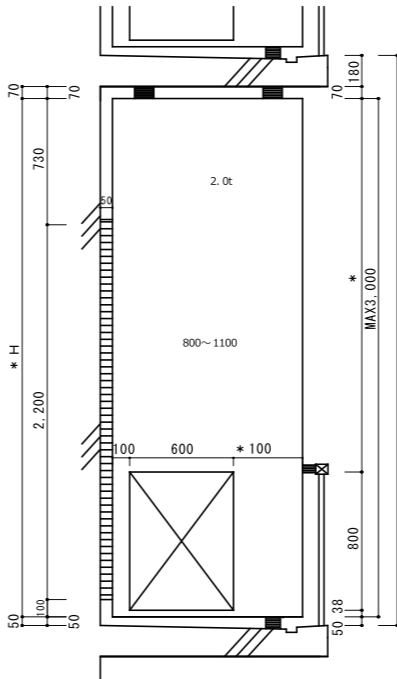


ASN103 Aged Metal

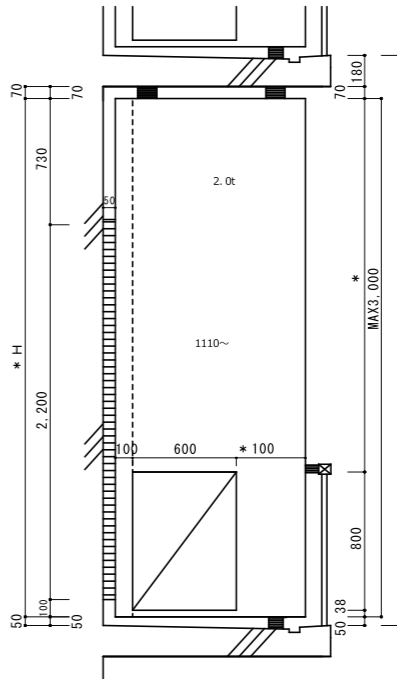
ASN209 Aged Metal

ASN213 Walnut

Partitions \*Patent pending



W Standard



W Order Made

Job references



Grand Livio Hamadayama



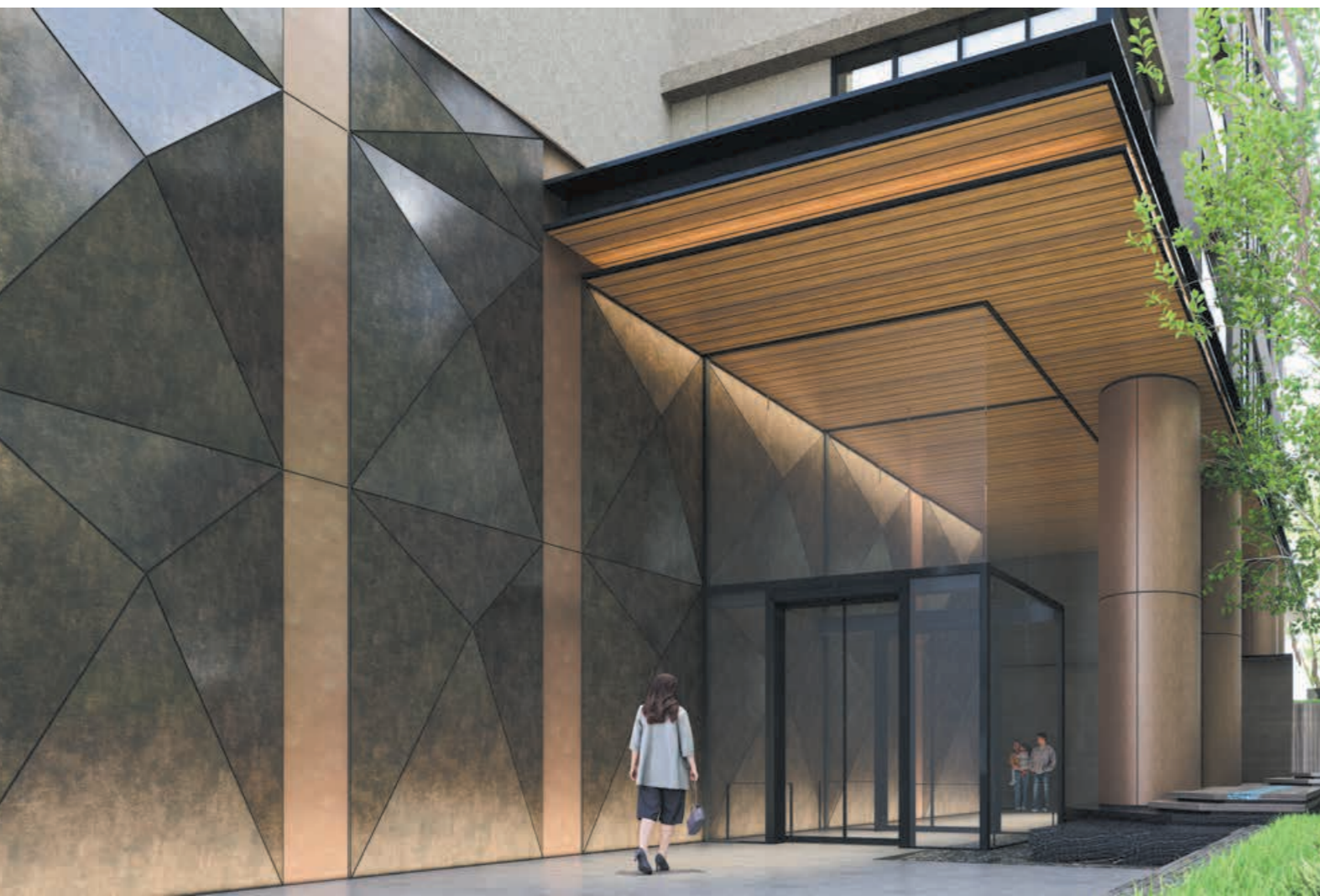
Treem



Willrose Kitaurawa

# Entrances

Elegant and stylish spaces that become emblematic of local areas

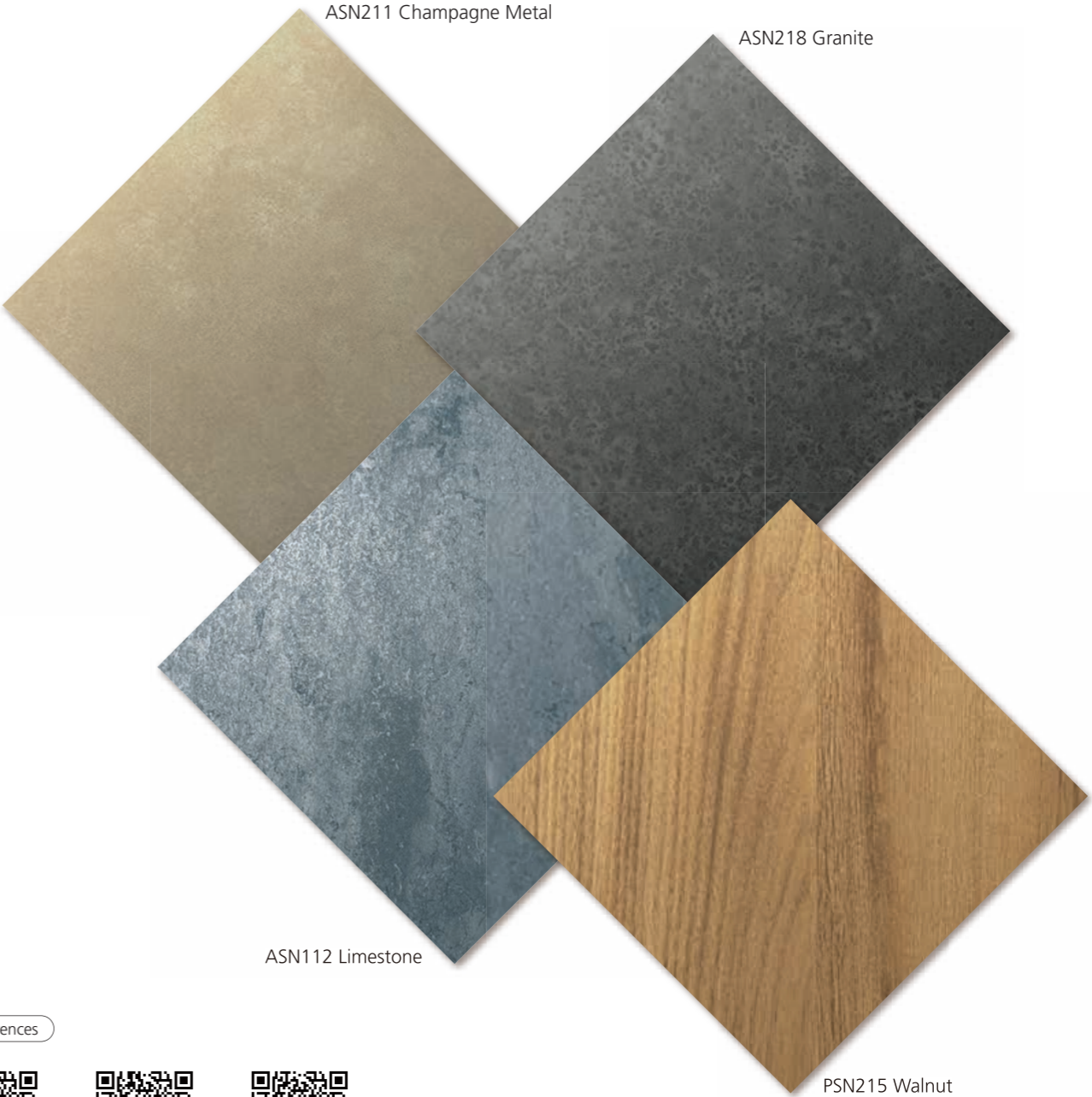


Used for: Walls, Soffits and round pillars

## Key Points for Enhancing Value

By using Artellion on three-dimensional wall surfaces, designers can create a variety of expressions thanks to its excellent workability in curving and bending, allowing them to realise their creative intentions. By harmonising the finishes of walls, pillars, soffits and creating a spatial design, they can further expand the possibilities of design.

### The Collection



#### Job references



# Adding Colour to Daily Life

Various Interior Applications

Lobby ceilings



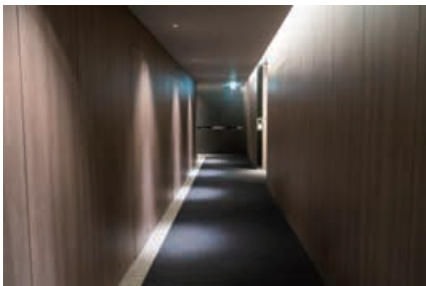
Lobby walls



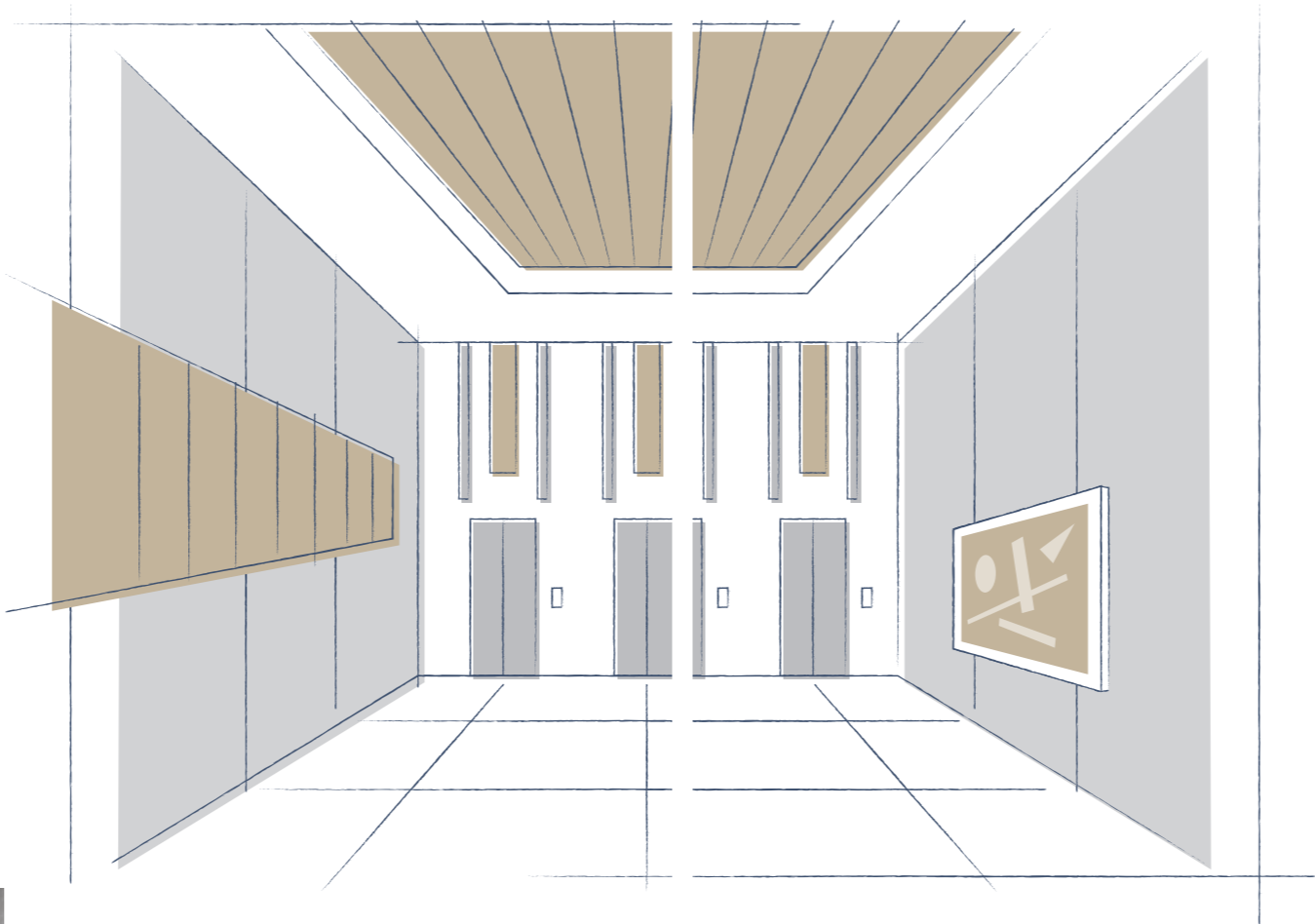
Lounges



Shared corridors



Entrance doors



Entrance halls



Lift halls



Alfresco



# Entrance Halls

For a classy and refined impression

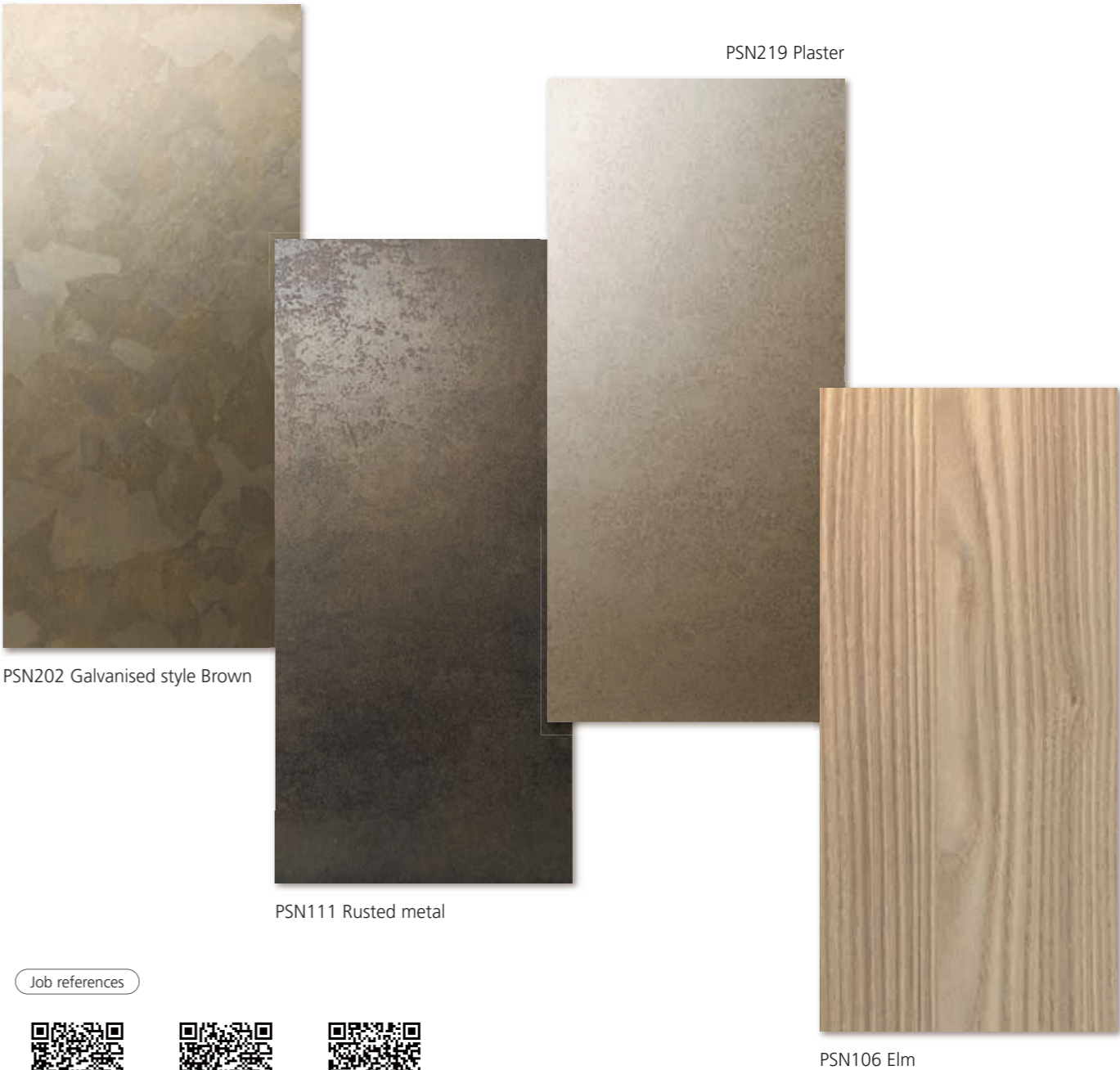


Used for: Hall walls, counters, and elevator halls

## Key Points for Enhansing Value

Artellion creates an expansive open space with its impressive long-span panels of up to 4.5 metres. With its excellent workability for processes such as punching, by combining various panel designs and LED lighting it can create spaces that feature both depth and shadows.

### The Collection



PSN202 Galvanised style Brown

PSN219 Plaster

PSN111 Rusted metal

PSN106 Elm

#### Job references



Hulic Kinshicho  
Collabo Tree



Premist Tower  
Utsubo-honmachi



Premist Tower  
Shin Sapporo

# Lift Halls

For classy and rich interior spaces



Used for: Walls, elevator frames, and ceilings

## Key Points for Enhancing Value

With Artellion you can coordinate the designs of elevator frames & doors, inspection openings, wall cladding and even spandrels and columns. The woodgrain and coloured stainless steel finishes with its natural aluminium appearance offer a unique aesthetic expression that cannot be achieved with other materials.

### The Collection

ET002 Galvanised style Dark Grey

ET204 Rusted metal

PSN217 Metallic Wood

PSN206 Vibration

#### Job references

Park Court  
Yoyogi Hattsunai

Haseko Minami Sunamachi  
Station Building

Spandrel  
news release

# Alfresco

Spaces that seamlessly connect interiors and exteriors



Used for: Ceilings, eaves, and walls

## Key Points for Enhancing Value

By seamlessly integrating interior and exterior design, Artellion creates a spacious and inviting environment that transforms your terrace into a place of recreation. With its excellent weather resistance, Artellion can be available in natural colours that harmonise beautifully with planting, without the concern of colour fading.

### The Collection



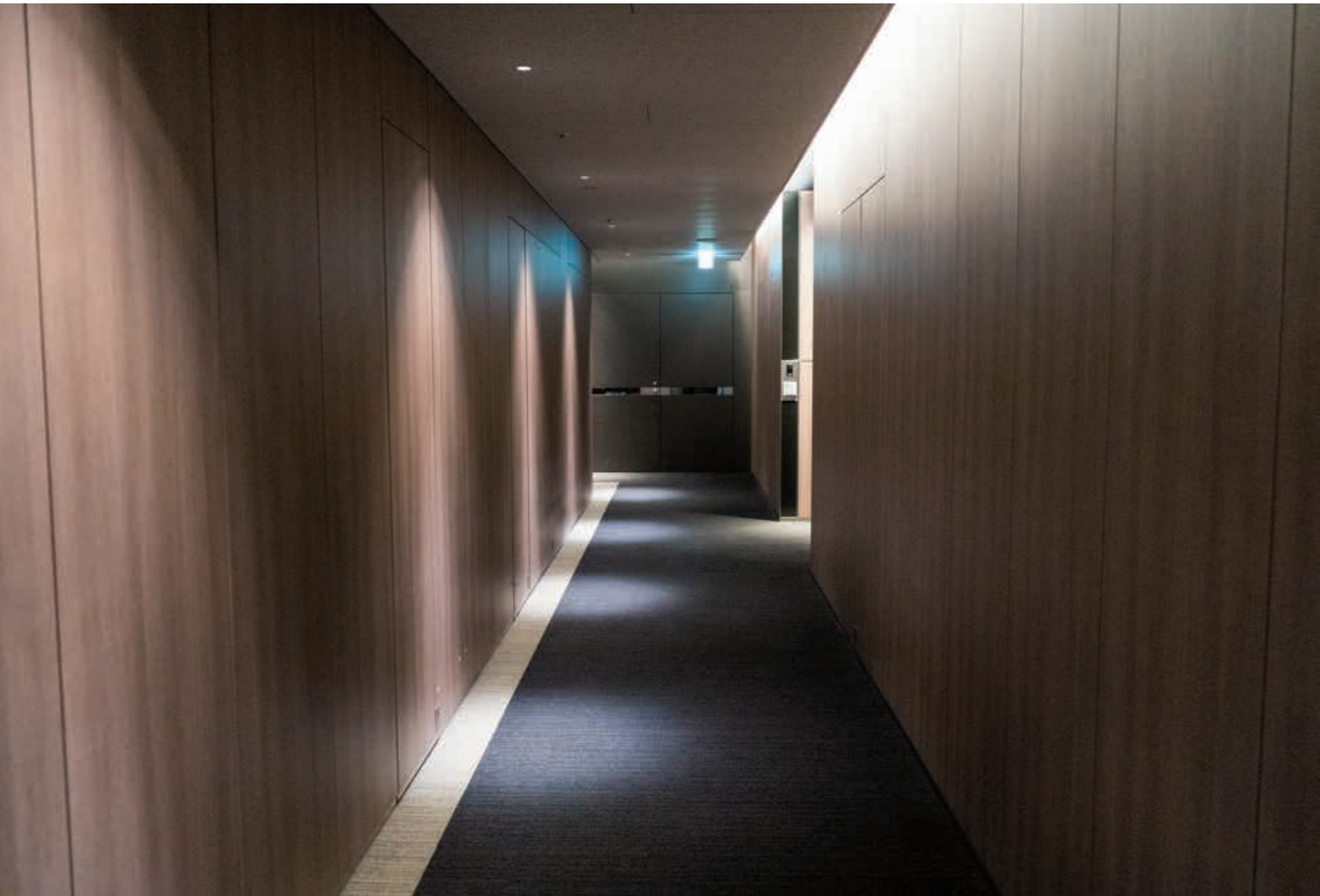
Job references



Saga Prefecture Suisan Kaikan Yokohama Connect Square Shinjuku Mitsui Building renovation Proud Ooi James Zaka

# Shared Corridors

For vibrant, beautifully coloured spaces

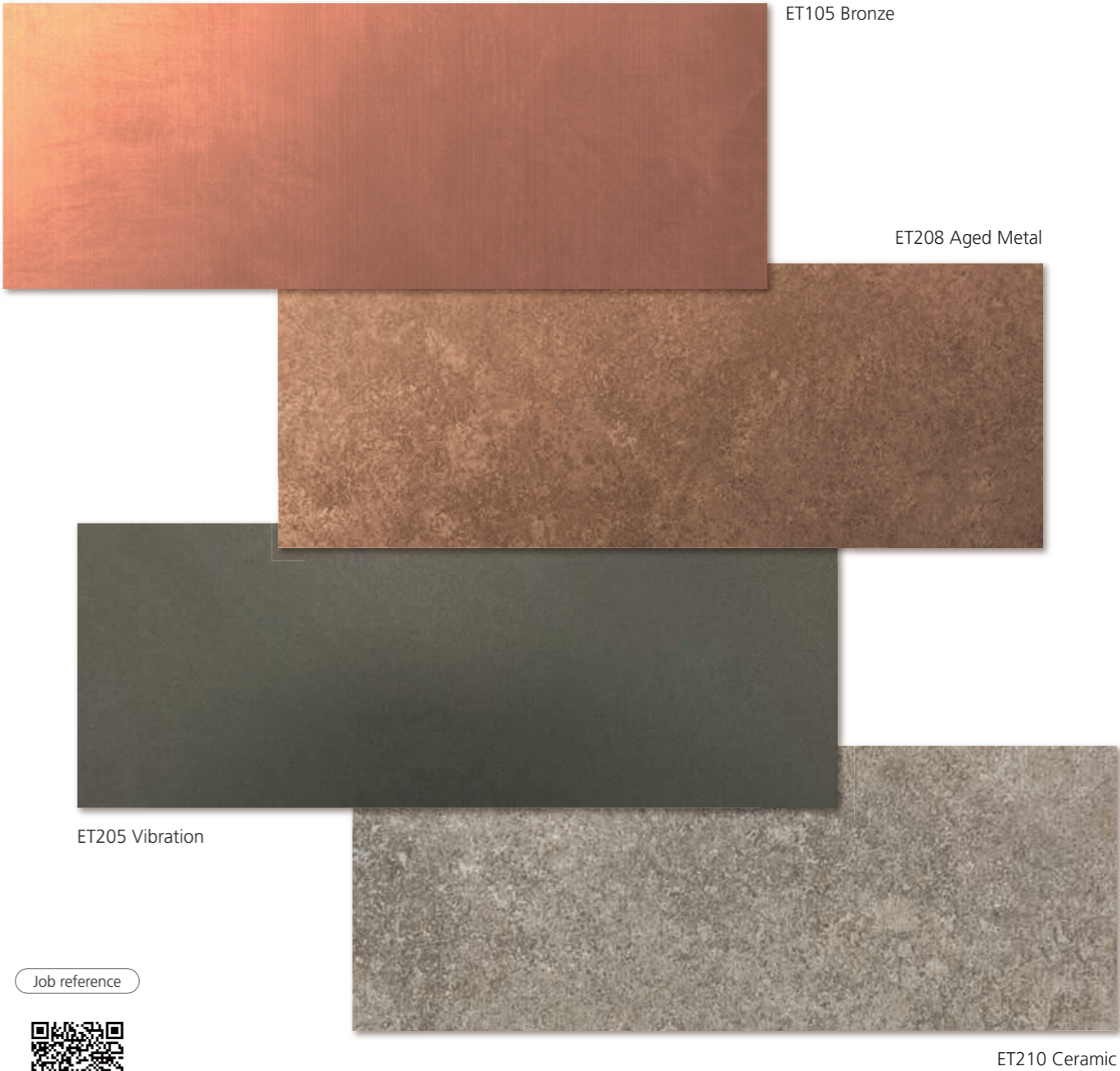


Used for: Corridor walls

## Key Points for Enhancing Value

Our decorative steel plate product Ellio will be the right fit for your indoor applications. The depth of design achievable with finishes such as gloss and matte can create an elegant atmosphere when combined with lighting. Even in areas where durability is required and standard wallpaper is not the best option, cross-patterned Ellio steel sheets will be the solution. Furthermore, design coordination is available for doors, meter boxes, and lift lobbies.

### ■ ELLIO Original Collection (Decorative steel sheets for interior use)



Job reference



Haseko Minami Sunamachi  
Station Building

# Railway Facilities

Keep station interiors tidy and bright in the long term



Used for: Facing walls, platform ceilings, ceiling spandrels, and round pillars

## Key Points for Enhancing Value

With Artellion you can create original designs that reflect the unique characteristics of the surrounding landscape, culture, and history, even for small production runs. Additionally, the ability to freely coordinate designs for round columns, opposing walls, and ceiling spandrels is one of Artellion's standout features.

### The Collection

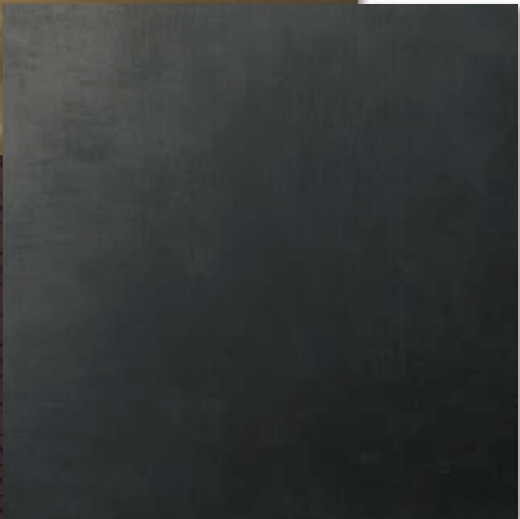
PSN216 Oak



PSN221 Graphic Pattern



PSN220 Geometric Pattern



PSN207 Blackened Steel

#### Job references



Takanawa Gateway Station



Shin-tsunashima Station



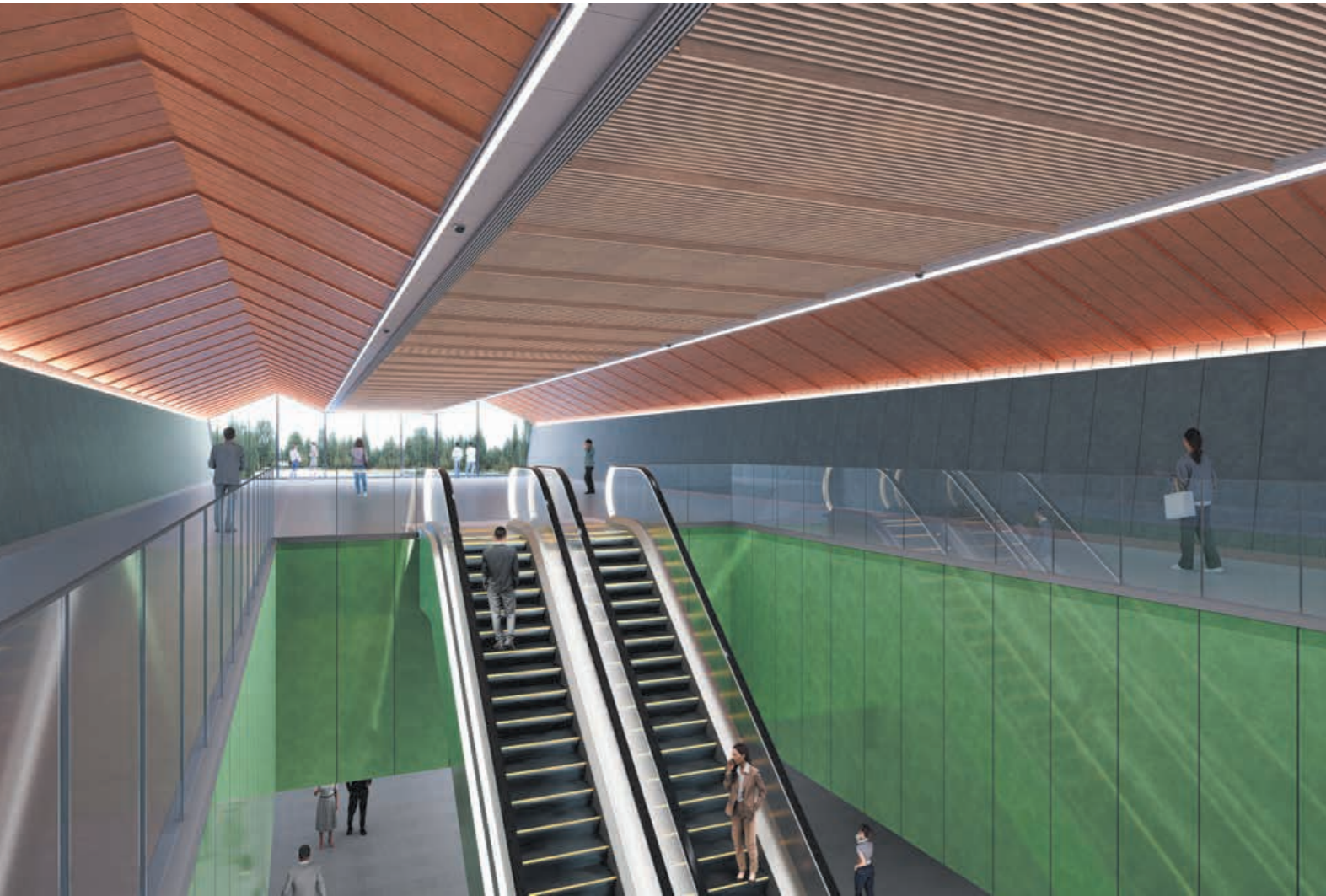
Toshimaen Station renovation



Yutenji Station

# Concourses

Empathetic designs for everyday passers-by



Used for: Walls, frieze boards, ceilings, ceiling louvers

## Key Points for Enhancing Value

Enhanced by the natural aluminium appearance, our copper finish harmonises beautifully with both daylight and artificial lighting, illuminating passers-by with a dazzling array of reflections. The half-matt fascia softens the background reflections of escalators, creating a clear and spacious atmosphere. Artellion crafted from lightweight aluminium, contributes to reducing the overall weight of large architectural structures.

## The Collection

PSN105 Bronze

PSN222 Wrought Iron

PSN223 Green-coloured metal

WE5060 Aluminium Louvers supplied by RIKEN Light Metal Industry

# Renovation

Artellion boasts a wealth of renovation experience, such as enhancing the harmony with surrounding landscapes, elevating landmark presence, and improving safety in dangerous areas.

## ■ Example designs using existing frames

Otemachi Building (Tokyo)



Before



After



## ■ Example coverings for tiled walls

Semba Center Building (Osaka)



Before



After



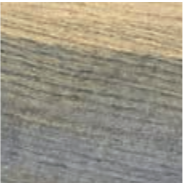
## ■ Do you have any of these challenges?

[Appearance] Discolouration, colour fading, staining, grime, or rust dripping

[Safety] Tile, stone peeling, separation, or risk of falling

Renovation work with Artellion can address various issues, such as decreased asset value or tenant income due to building dilapidation and increased maintenance expenses.

Discolouration /colour fading



Rust



Staining/grime



Peeling/separation



Expenses (inspection, scaffolding, and repair work)



# Five Features of Artellion



1

## High Design Customisability

With the multi-layered structure that is possible only through printing, Artellion can realise designs that match your desired concept, including the expression of colours, patterns, and textures. It enhances aesthetics of interior and exterior of the building, with aluminium's unique feel and mechanical performance that cannot be reproduced with other materials.



# Five Features of Artellion

## 2

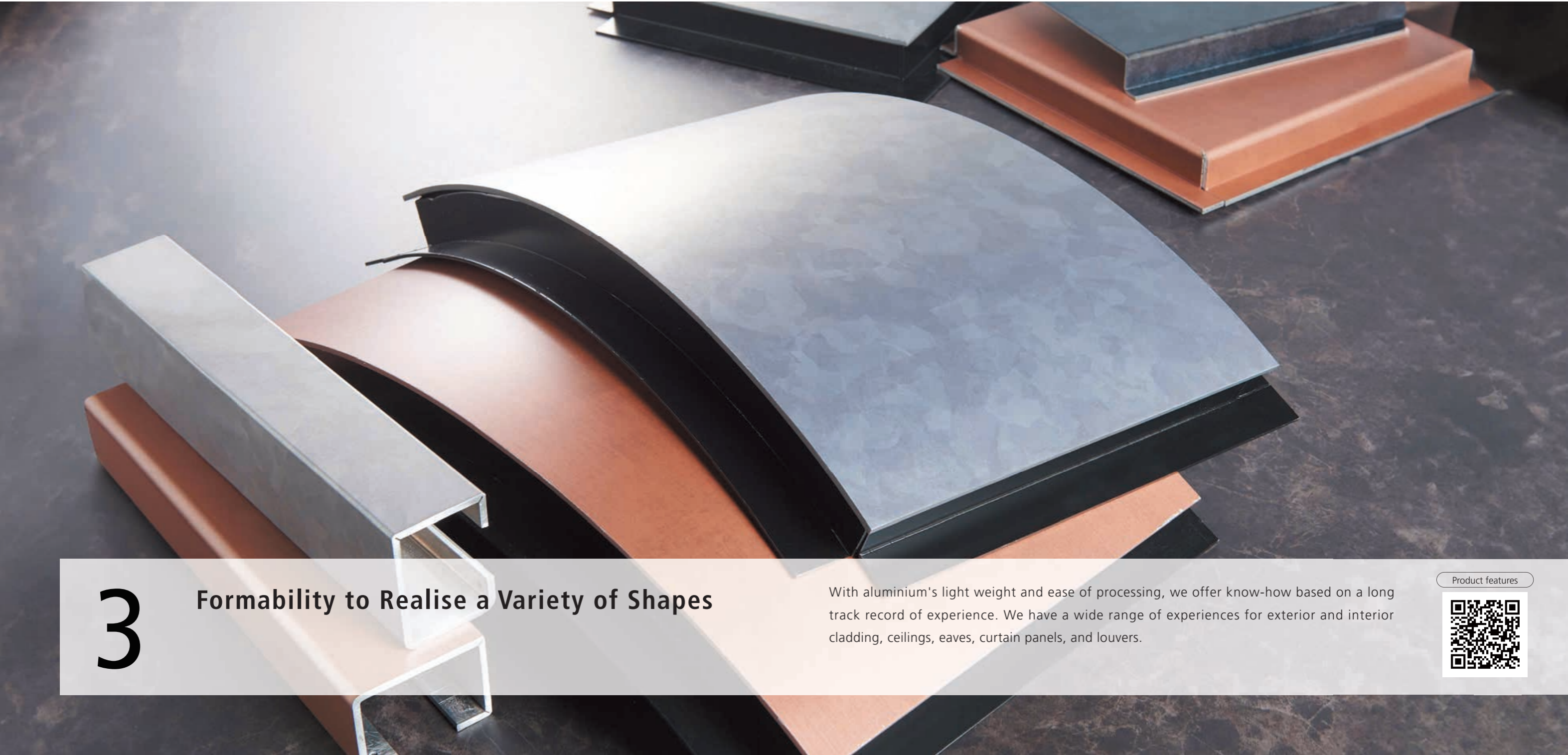
### Wide Variety of Surface Treatments

Not only does it solve the various problems inherent in natural materials such as wood, stone, and metal, but it also enables expressions that go beyond the unique qualities of printed materials, such as further emphasising and combining the strengths of each material.

Product features



# Five Features of Artellion



3

## Formability to Realise a Variety of Shapes

With aluminium's light weight and ease of processing, we offer know-how based on a long track record of experience. We have a wide range of experiences for exterior and interior cladding, ceilings, eaves, curtain panels, and louvers.

Product features



# Five Features of Artellion



## 4 Weather Resistance & Easy Maintenance

The fluorine coating allows the building to maintain its original beauty for a long time, even in outdoor use. It achieves less maintenance work and long-term durability.

Product features



### ■ Weather Resistance and Corrosion Resistance Test Results

- 1 Accelerated weathering test  
[Sunshine Weather Meter]



Testing time: 10,000 hours \*With fluorine coating  
Color fastness:  $\Delta E = 2$  to 3  
No significant discolouration
- 2 Arizona outdoor test  
[31 EMMAQUA Test]



Testing time: 300 days (UV1334MJ/m2), equivalent to 10 years  
Color fastness:  $\Delta E = 2$  to 3  
No significant discolouration
- 3 Neutral salt spray test  
[JIS Z2371]



Testing time: 2,000 hours  
Coating adhesion: Surface adhesion 100/100  
No significant problems

## Five Features of Artellion

# 5

### Saving the Global Environment

Artellion does not contain any harmful chemicals that put strain on the environment. It is an eco-friendly product that is highly reusable and durable, allowing for long-term use.

Product features



# Artellion Design Concepts

## MATERIAL Series

This series authentically captures the essence of natural materials. Our high-quality coating ensures that the realistic appearance lasts over time, even in areas where the durability of real materials may be a concern.



Reproduce the texture and colour of natural materials, while effectively addressing challenges related to weather resistance, maintenance, and ease of installation

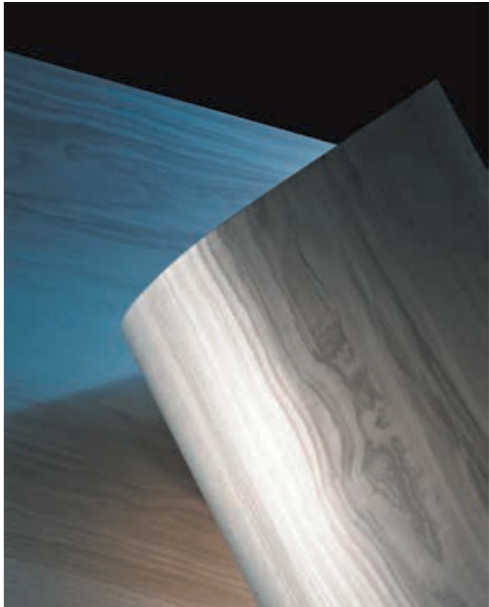
### Testimonials from Architects:

- "The wood pattern is both outstandingly realistic and weather-resistant." - Funada Architects
- "I love its weather-resistance, texture, and low maintenance." - Takamatsu Corporation
- "In addition to its weather-resistance, its printed surface enables various designs like real wood. Rather than simply using it as an alternative to certain materials, it makes desire utilise its unique properties as a material on its own." - Masaki Building Research Institute

Artellion enables you to select the ideal material for your design, enhancing value from both Reality and Originality perspectives. We proudly present two series: MATERIAL and ART ALUMI.

## ART ALUMI Series

This series provides a unique look derived from an aluminium base. Our innovative Clear Coat technology enhances the metallic feel that shines through the prints, creating new design possibilities. The sheen of the aluminium substrate varies with the light, allowing buildings to exhibit different appearances throughout the day.



Create unique finishes that blend the feel of aluminium with advanced printing technologies

### Testimonials from Architects:

- "It has a unique metallic texture not found in real Corten steel." - IAO Takeda Architects Associates
- "I love how it can enable unique patterns by combining the sheen of aluminium base with a printed surface." - Jin Sekkei
- "The product merges the advantages of both wood and aluminium." - Ateliers Kota Tominaga

# Artellion Design Variations

Artellion utilises our printing technologies to offer a variety of designs, providing creators with new possibilities.

## Woodgrain

Our woodgrain finishes, designed by our experienced inhouse designers, are one of our key offerings. We can make precise colour adjustments to ensure a perfect match with the surrounding materials and environment. You'll have the freedom to choose from a wide range of materials, even those wood species that are typically unsuitable for indoor or outdoor use. Additionally, when used outdoors, you do not need to worry about issues like degradation, corrosion, or warping. We have extensive experience in providing finishes in variety of wood species, including walnut, oak, bamboo and variety of wood designs.



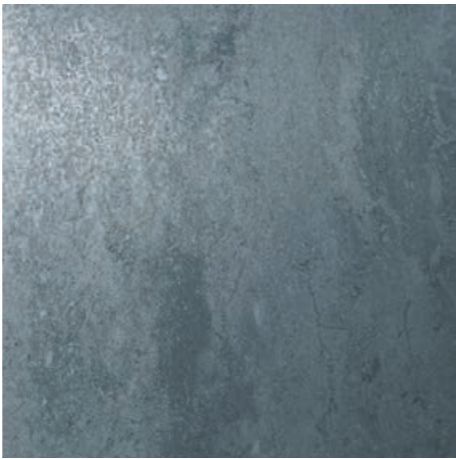
## Metal

We offer a wide range of visually appealing metallic designs that utilise the natural sheen of aluminium and the gloss-matte effects achieved by our printing technologies. We can also replicate metals with special treatments, such as Corten, rusted, patinated, and galvanised metal. Our printed aged effects are not a result of the chemical changes that occur on conventional metals over time, allowing us to provide consistent quality from day one onwards.



## Stone

Artellion can provide stone finishes that typically have a lot of variation in colour and pattern in a stable and consistent manner. Its lightweight nature makes installation on higher floors both easy and safe. You can use it for outdoor application without worrying about degradation, cracking, or chipping, giving you peace of mind. It also enables the use of limestone species that are usually unsuitable for outdoor applications due to their sensitivity to acids and water, as well as use in various processed shapes.



## Abstract and Others






Artellion is available in wide range of designs, such as fabric and Japanese washi paper, which harmonises well with mortar or stucco. We offer a variety of other options, including hairline finishes, geometric patterns, and small motifs, allowing you to choose designs that align perfectly with your project's concept.



# Artellion The Collection

## MATERIAL Series

■ Woodgrain



ASN213 Walnut

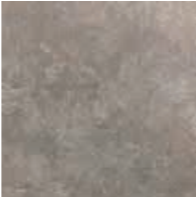
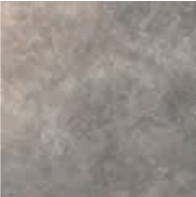



PSN215 Walnut

PSN216 Oak

PSN106 Elm

PSN212 Elm

■ Stone



ASN112 Limestone

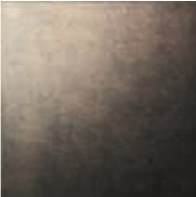
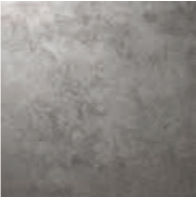
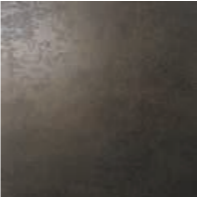

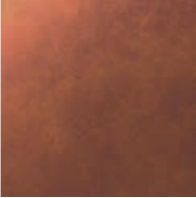
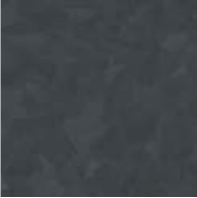
ASN218 Granite

ASN009 Ceramic

PSN110 Ceramic

ET210 Ceramic

■ Metal



ASN001 Galvanised style Black

ASN104 Corten Copper




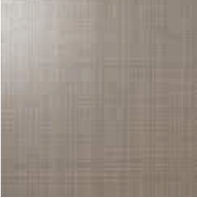
PSN222 Wrought Iron

PSN111 Rusted Metal

ET204 Rusted Metal

ASN203 Rusted Metal

■ Abstract and Others



PSN214 Fabric


PSN219 Plaster

PSN220 Geometric Pattern

PSN221 Graphic Pattern

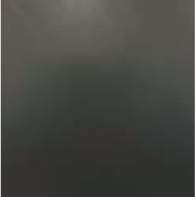





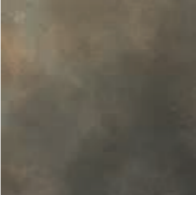

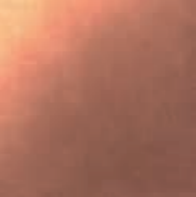
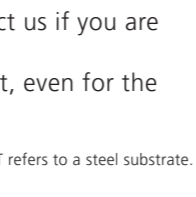
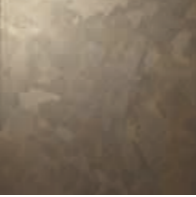
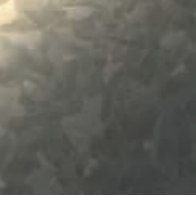

## ART ALUMI Series

■ Woodgrain



PSN217 Metallic Wood

■ Metal



ASN101 Galvanised style

ASN002 Galvanised style Dark Grey

ASN201 Galvanised style Dark Brown

ASN105 Bronze

PSN207 Blackened Steel

PSN202 Galvanised style Brown

ASN103 Aged Metal

ASN209 Aged Metal

ET208 Aged Metal

ASN211 Champagne Metal

PSN223 Green-coloured metal

PSN206 Vibration

ET205 Vibration

The above are just some portion of our popular finishes. Please contact us if you are looking for other options.  
The price differs depending on the finish, thickness and production lot, even for the same panel size.

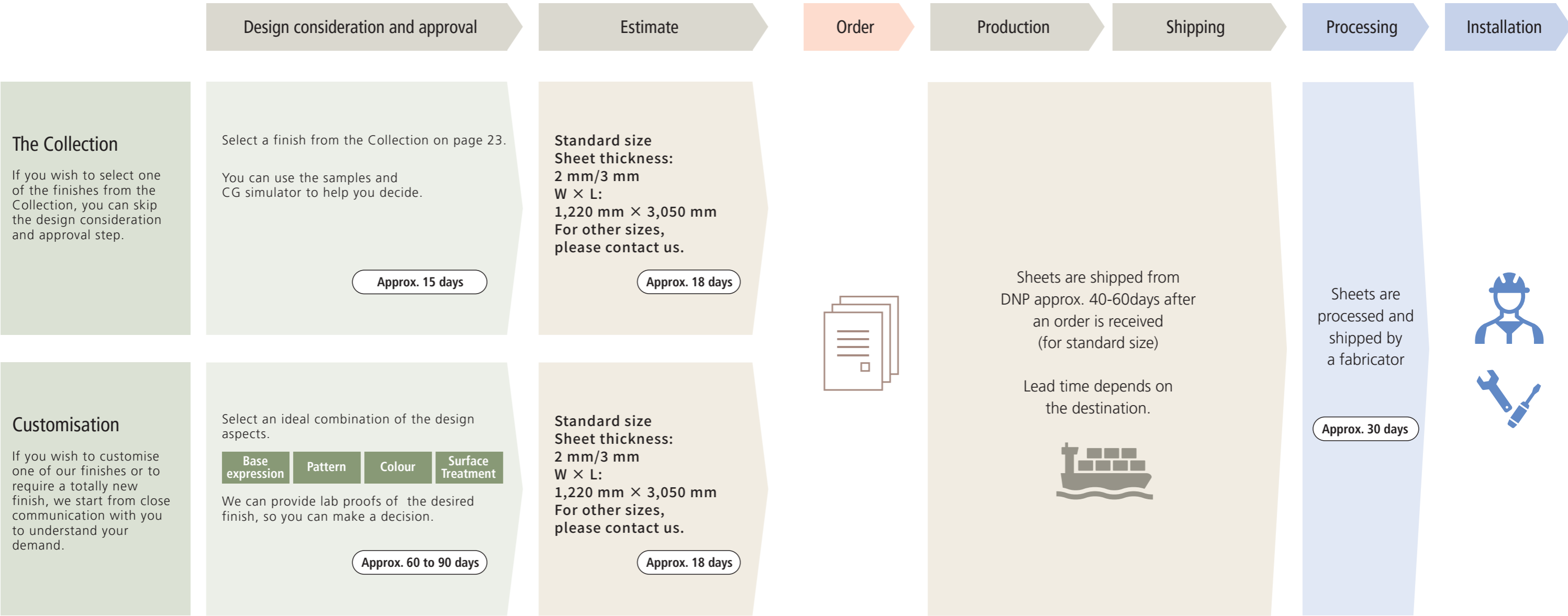
\*ASN refers to an aluminium substrate, PSN refers to an aluminium substrate with polyester coating, and ET refers to a steel substrate.  
\*For an ET material with the ART ALUMI Series, steel is used as the substrate instead of aluminium.  
However, the appearance is equivalent.



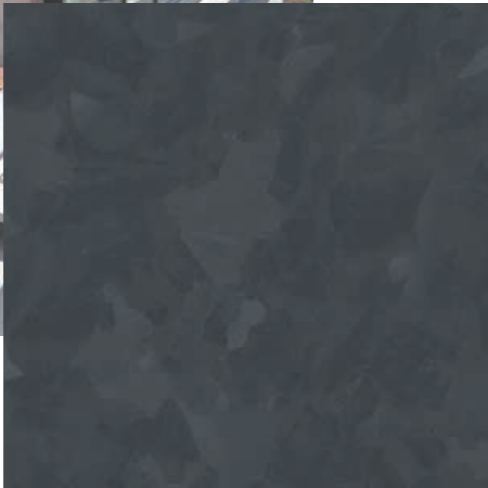
Contact Us

# Design Development and Order Flow

We will fulfil the creator's vision through design and various support options.



# Design Development and Order Flow



ASN001



Contact Us

We will fulfil the creator's vision through design and various support options.

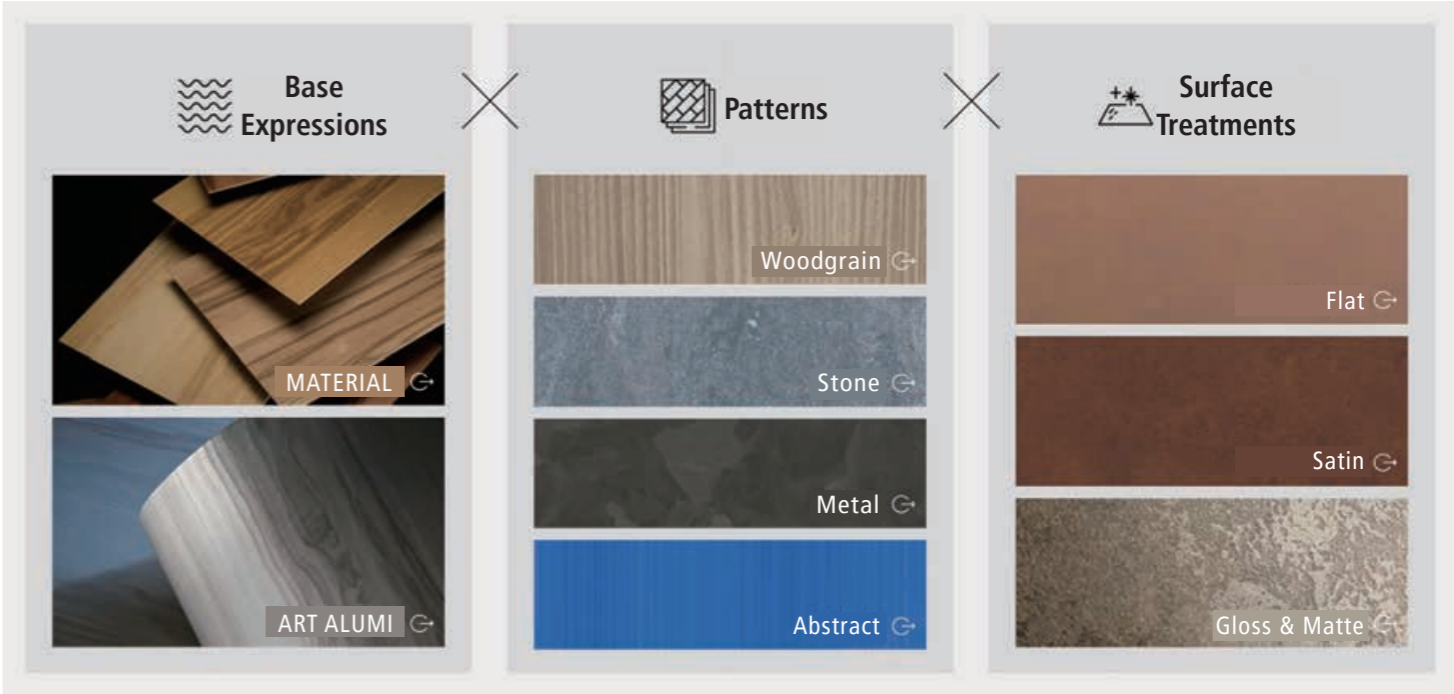
## The Collection

If you wish to select one of the finishes from the Collection, you can skip the design consideration and approval step.

## Customisation

If you wish to customise one of our finishes or to require a totally new finish, we start from close communication with you to understand your demand.

Base Expressions	Patterns	Colour	Surface Treatments
<div><input type="checkbox"/> MATERIAL</div> <div><input type="checkbox"/> ART ALUMI (utilizing aluminum substrate)</div>	<div><input type="checkbox"/> Wood</div> <div><input type="checkbox"/> Stone</div> <div><input type="checkbox"/> Metal</div> <div><input type="checkbox"/> Abstract</div> <div><input type="checkbox"/> Other</div>	<div>Please tell us the color you desire.</div>	<div><input type="checkbox"/> Flat</div> <div><input type="checkbox"/> Satin</div> <div><input type="checkbox"/> Gloss &amp; Matte</div>

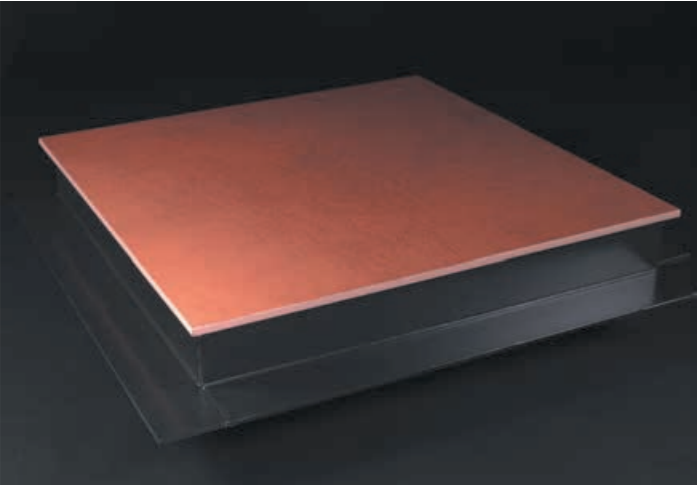


# Technical Information

## ■ Processability

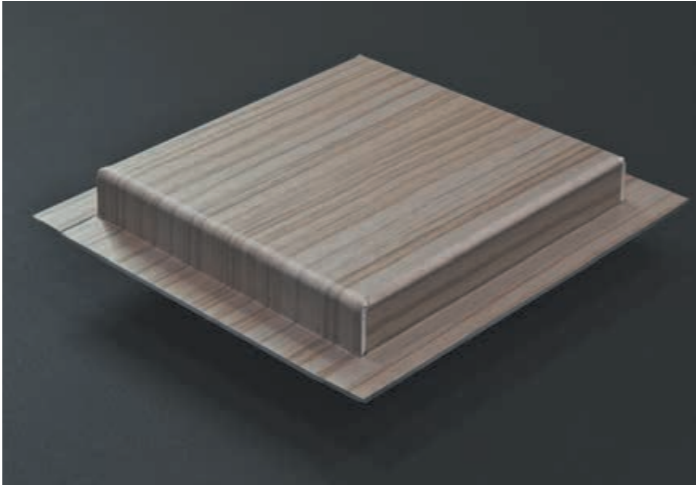
Artellion can be processed into various shapes suitable for architecture, such as louvers and panels. Taking advantage of the characteristics of aluminium, it is widely used for exterior and interior cladding, eaves, soffits, and curtain panels.

Cut panel



By showing the sharp edges of the panel, the design is more prominent and creates a sense of luxury. \*3mm thick sheets are recommended.

Folding

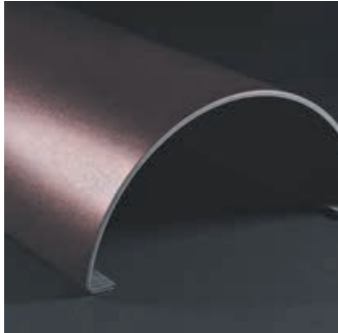


Since the printing is applied directly on the aluminium plate, the design will align with the shape even when folded. \*2mm thick sheets are recommended.

Louvers



Radius Bending



Perforated



Honeycomb



## ■ Weather resistance

AAMA 2605  
Sunshine Weather-O-Meter (SWOM)  
10,000 hours (ΔE2-3)

## ■ Standard size

Thickness: 0.6mm, 0.8mm, 1.0mm,  
2.0mm,3.0mm  
Width: 1,220mm  
Length: 3,050mm

## ■ Manufacturing Capabilities

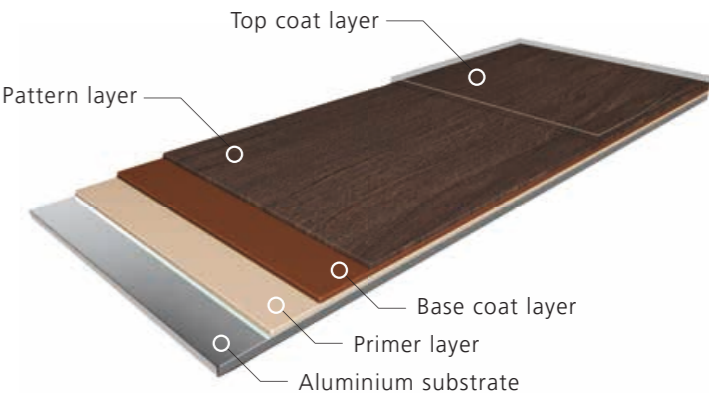
Thickness: 0.6mm – 3.0mm  
Print Width: 650mm – 1,220mm  
Print Length: 1,500mm – 4,500mm

\*Please contact us if you require non-standard size sheets.

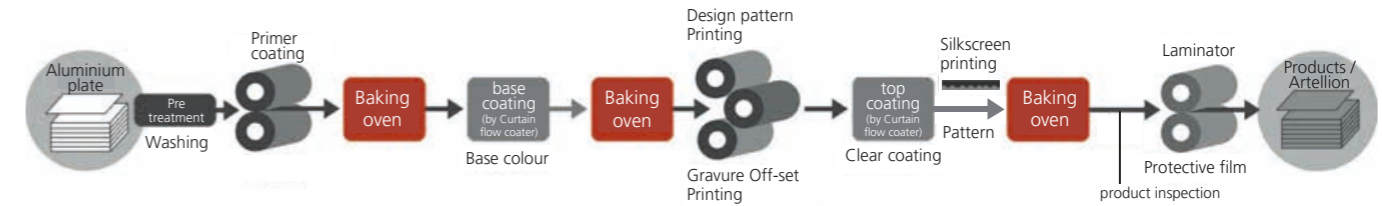
## ■ Fire Protection Class

BS476 : Part4 (3mm)  
ASTM E84 Class A  
NM-2698  
EN13501-1 A1

## ■ Product cross section



## ■ Manufacturing process



Artellion is made with a direct printing and coating process on aluminium sheet. The printing method, called the "3-coat, 3-bake method," involves printing three times and baking three times. After applying a primer to the aluminium sheet, the base coat is applied, which will be the base for the pattern colour. Then, a pattern such as woodgrain or stone is printed, and a clear coat is applied on top. As the product is baked in an oven after each printing process, Artellion's mechanical stability and aesthetics are ensured.

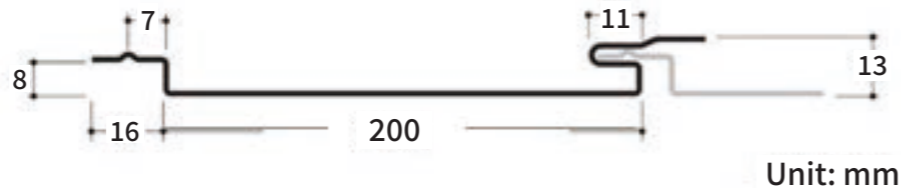


Contact Us

# Technical Information

System examples  
Roll forming #8 aluminium spandrel

■ F type 5 (5 mm joints)



[Main unit standards]

Format: AP; Sheet thickness: 0.8 mm; Surface width: 200 mm; Joint width: 5 mm; L dimension: Up to 4,000 mm  
Coating: Synthetic resin coating (polyester type or fluorine type)  
Material: Aluminium alloy; Base material: 3000 series aluminium

■ F type (no joints)



\*The above images show examples of systems installed.  
Note: With dark colour designs, whitening may appear on the edges of the sheets.

