



FIELITZ

profile plates
façade
bead blasting
mirror polishing
zinc
double curved
anodized
aluminium
cladding
architecture
interior
metal
steel
vibration
rainscreen

30 YEARS OF EXPERIENCE

ceiling
unique
web plates
design
fluid-forming
structure
brass
3D copper
acoustic elements
exterior art
innovation
powder coating
embossed
Perforation

FIELITZ

WHAT WE DO

Metal processing of the highest quality

Fielitz Ltd provides first-class metal processing with exceptional quality standards. Materials suitable for cold forming such as aluminium, stainless steel, steel, copper, bronze, brass or titanium are formed by state-of-the-art production technologies.

We offer a wide range of possible methods, including diverse profiling technologies and highly modern 3D fluid technology, to create metal surfaces that are effective in terms of design, acoustics and sun protection.

As a result, the limits of feasibility can be exceeded again and again. We have access to a large network of partners with extensive experience in architectural applications for the diverse surface treatments of our finished products, for both **exterior and interior use**.

Our service goes beyond 3-dimensional forming and provides, among other things, many different processing capabilities in order to be able to supply customers with pre-finished solutions. We look forward to realizing your ideas and designs with you.



WHO WE ARE

Fielitz Ltd - partner for innovative architecture

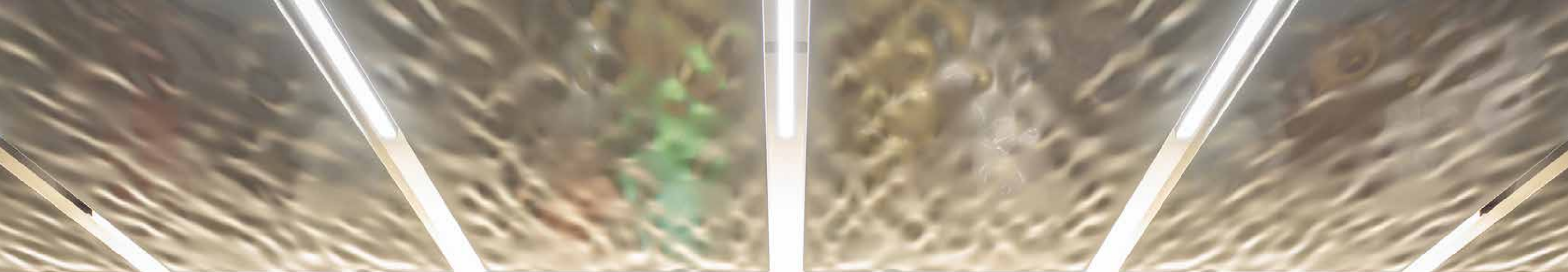
For over 30 years, we have been developing **and supplying various metallic structures and surfaces by deforming flat metals for exclusive architectural applications**. Facades, ceilings, wall coverings, exhibition construction and design elements, have been realized in cooperation with our clients.

Our aim is to design distinctive, exceptional and bespoke solutions made of aluminium, Stainless steel, steel, copper, brass etc.

The diversity of our modern production processes, makes it possible for us to create three dimensional forms using different types of metal, responding to the individual wishes of architects, clients & designers. Our exceptional solutions for product development include design, surface processing, packaging & logistics - all **MADE IN GERMANY**.

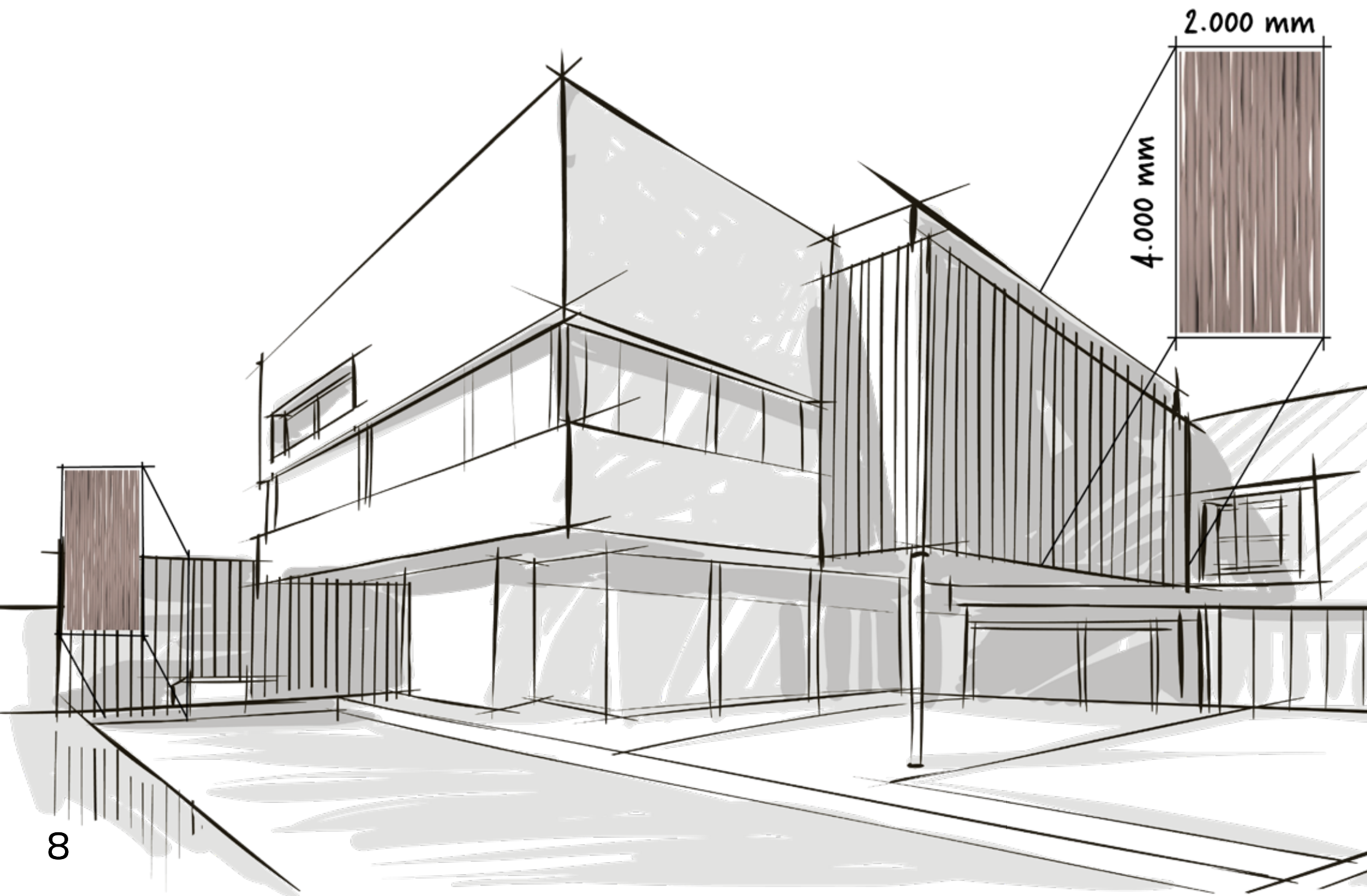
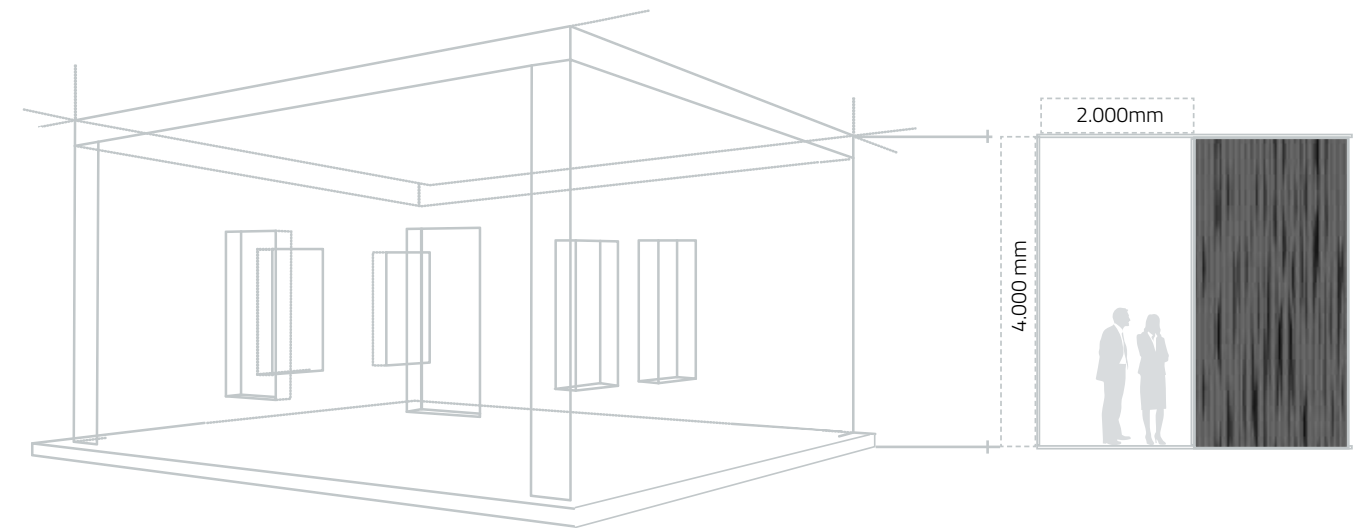
Whether you are looking for custom made manufacturing or series production – it's a pleasure for us to assist your project as a reliable partner for innovative architecture. Challenge us with your requirements and new ideas!





TECHNOLOGY

The technology used by Fielitz is based on the fluid technique which allows to have a wide range of possible deformations with an absolute control of the ELASTICITY of the material.



THIS TECHNIQUE ALLOWS:

MAXIMUM ARCHITECTURAL FREEDOM

Your Fielitz panel is unique and unrepeatable

LOWER PRODUCTION COSTS

Low tooling costs

ENERGY SAVE

Because high temperatures are not required for deformation

HIGH SCALE RANGE

Realization of a single panel **up to 2m x 4m**

INFINITE DEFORMABLE THICKNESS

Up to 15 mm thickness for aluminium

CONTINUES FACADE

Direct relationship between panels in order to have a great effect of continuity

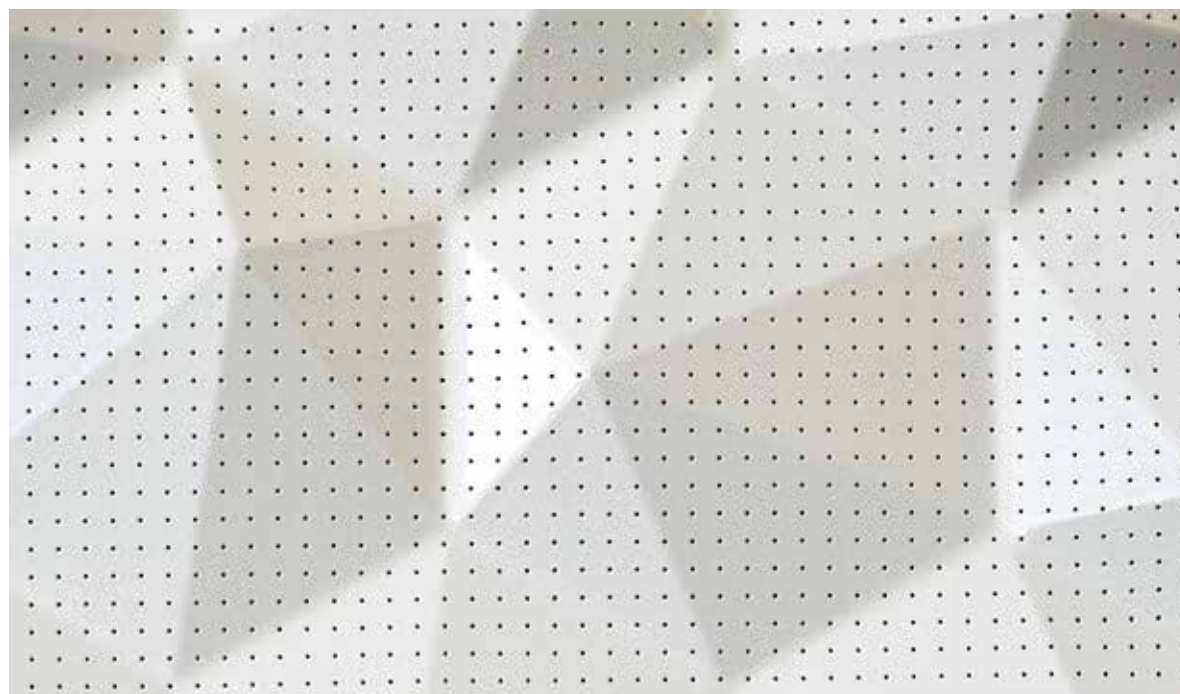
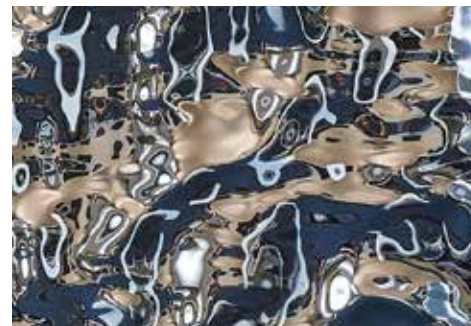
3D PLATES

Our 3D plates permit metals to be formed to give maximum architectural design freedom.

Our manufacturing technology allows us to create large elements of up to **2m x 4m**, using a wide range of perforated or non-perforated metallic materials such as aluminium, steel, stainless steel, copper, zinc and brass.

The unique fluid technology used for metal forming acts on the materials with optimized compression forces to achieve perfect forms with outstanding 3D details, producing surprising aesthetic results customized to the needs of each project.

The plates are characterized by their high stability and can be customized with a wide selection of surface finishes. Among the main advantages of 3D technology are weight reduction and low cost.



WEB PLATES

- ON DEMAND -

The classic undulating shape combines an unlimited versatility for creative solutions that creates surprising results every time.

Our range of web plates ranges from delicate structures for the design of interiors that enhance the style used ("small Web Plates"), through to robust geometries designed for exteriors ("medium Web Plates" & "large Web Plates") that can withstand high stress levels.

The machining technology used permits the formal profile of the elements to be freely defined and custom perforations to be created.

This technology works with numerous types of metal, such as steel, stainless steel, aluminium, copper, brass and zinc to create architectural elements that offer incomparable aesthetic qualities.

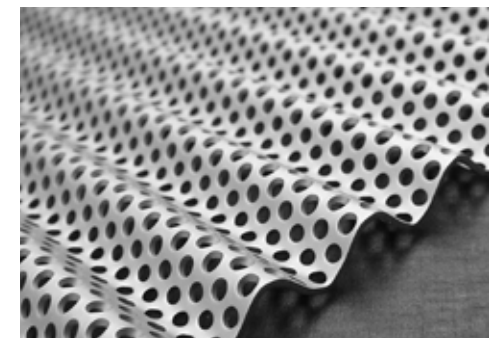


PROFILE PLATES

- ON DEMAND -

Depending on the initial geometries of the plates, the form of the undulation can be differentiated and customized to produce exclusive designs.

By altering the angle and number of undulations, it is possible to reduce the weight of each individual element to provide solid and reliable solutions to the most demanding technical and creative needs.



SURFACES

Super mirror polished surfaces

Our reliable network of suppliers offers a wide variation of mirror polished and high gloss surface finishes for stainless steel. Dependent on the area of application the customer can choose between several quality levels.



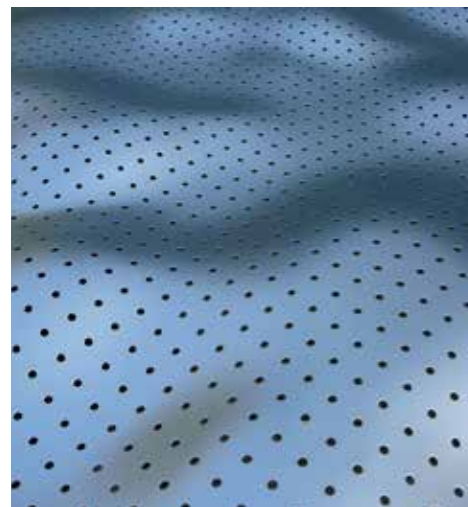
Grinded surfaces

Grinding is a clamp stripping manufacturing process that achieves various grinding patterns by using different grinding agents, machines, and machine parameters



Blasted surfaces

Particularly suitable for achieving uniform, homogeneous surfaces. The finish is non-directional and bears little to no reflection.



PVD - Titanium nitride coatings

The PVD-TiN coating of large surfaces (sheets) using ARC evaporation, which evaporates the solid, the so-called target, via an electric arc. By utilizing suitable reactive gases, different temperatures, and other machine parameters, a chemical compound of metal and non-metal is coated onto the sheet. Various colours can be obtained in this manner:

gold, rose-gold, brass champagne, bronze, copper and black.



Anti-fingerprint coating nanoINOX®

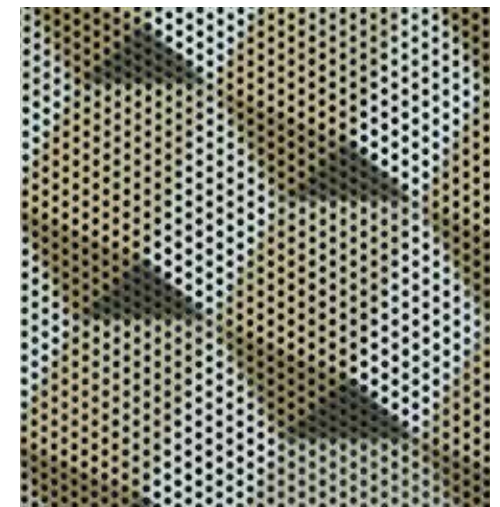
An invisible permanent protection for decorative metal surfaces. It is resistant to fingerprints, graffiti and general contamination. This coating maintains the attractiveness and minimizes the costs of cleaning and maintenance.



Anodization + Powder coating

A variety of different anodized surfaces can be provided by Fielitz Ltd.

Due to different surface structures and the corresponding pigments, almost all surface effects can be achieved.



DUNE SMALL



TECHNICAL PROPERTIES

SURFACE FINISH polished
mirror polished

TECHNICAL ASPECTS structurally effective

APPLICATION AREA wall elements
ceiling elements
cladding elements

MATERIAL stainless steel

MATERIAL THICKNESS T = 0,8 - 3,00 mm

DIMENSIONS

DIMENSIONS 1.950 mm x 3.650 mm
1.650 mm x 3.950 mm

HEIGHT 4,0 - 6,0 mm

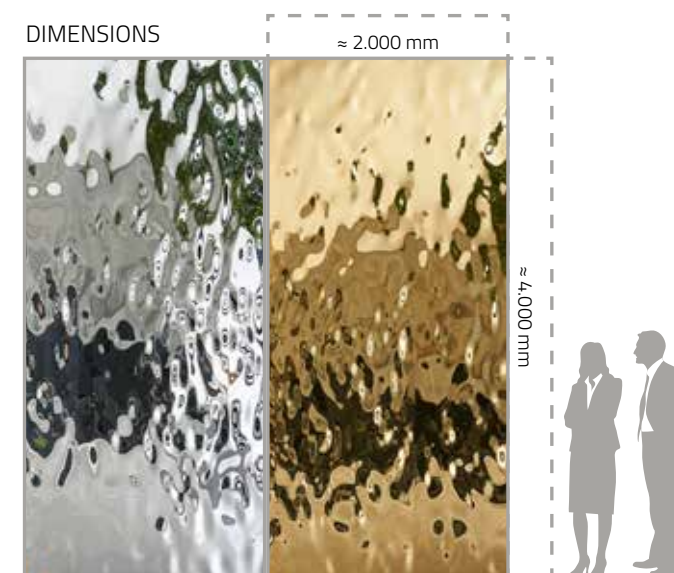
FEATURES

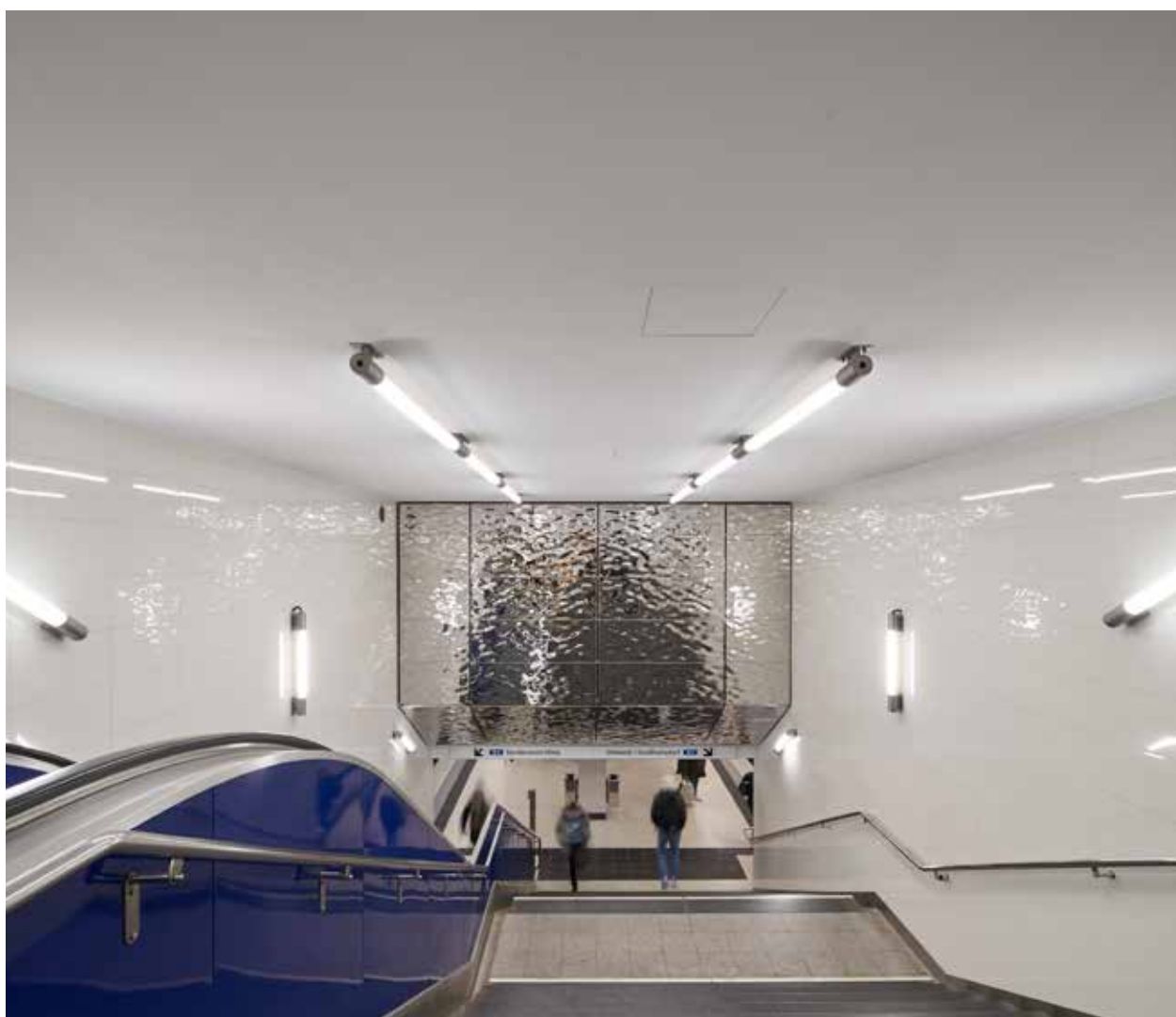
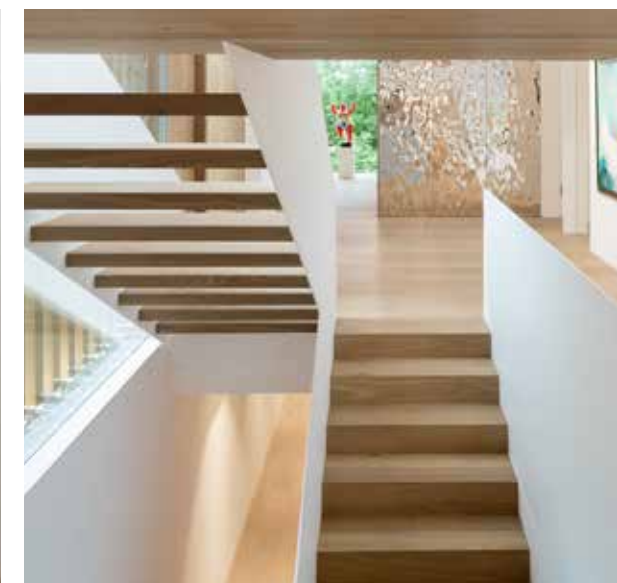
- elements can be folded on all four sides
- elements can be glued to a support plate
- perforated or non-perforated
- other materials, sizes & surface finishes on request

3D PLATES

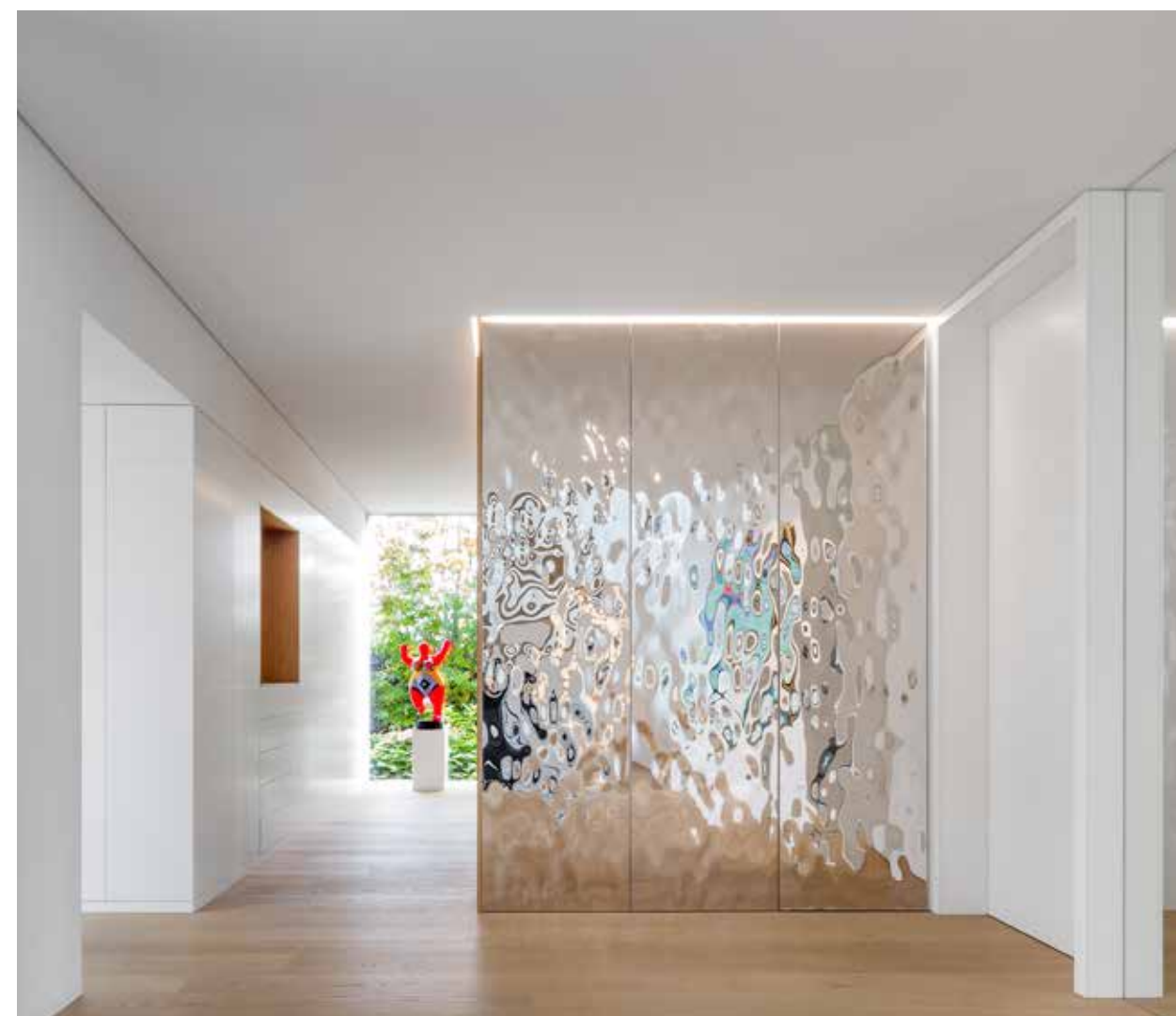


DIMENSIONS





JUNGFERNSTIEG STATION **HAMBURG, GERMANY**
 ARCHITECTURE WRS-ARCHITEKTEN
 PRODUCT 3D PLATE "DUNE SMALL", STAINLESS STEEL, MIRROR POLISHED NO.8
 PHOTO FOTODESIGN GÜNTHER



PRIVATE VILLA **REGENSBURG, GERMANY**
 ARCHITECTURE BERSCHNEIDER + BERSCHNEIDER
 PRODUCT 3D PLATE "DUNE SMALL", STAINLESS STEEL, MIRROR POLISHED NO.8
 PHOTO PETRA KELLNER



OFFICE LOBBY
ARCHITECTURE
PRODUCT
PHOTO

DUESSELDORF, GERMANY
CADMAN
3D PLATE "DUNE SMALL", STAINLESS STEEL, MIRROR POLISHED NO.8, PVD GOLD
CADMAN



WESTFIELD MALL
ARCHITECTURE
PRODUCT
PHOTO

LONDON, UNITED KINGDOM
SHEPPARD ROBSON
3D PLATE "DUNE SMALL", STAINLESS STEEL, MIRROR POLISHED NO.8
SAS INTERNATIONAL (CEILING DESIGNERS & MANUFACTURERS)

WATERWAVE VISION 2500



TECHNICAL PROPERTIES

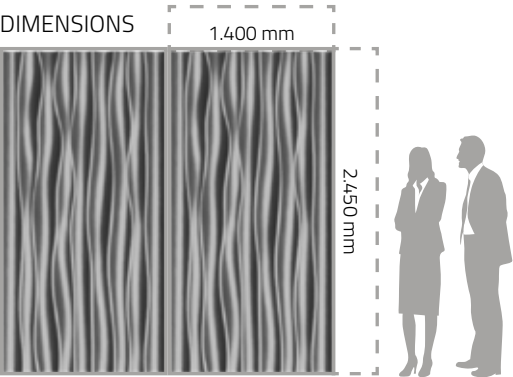
SURFACE FINISH	anodized
	powder coated
	mirror polished
TECHNICAL ASPECTS	translucent structurally effective
APPLICATION AREA	cladding elements
MATERIAL	aluminium steel, stainless steel
MATERIAL THICKNESS	T = 1,0 - 3,0 mm

DIMENSIONS

DIMENSIONS	▪ Width: 1.300 mm
	▪ Length: 2.490 mm
HEIGHT	30 mm

FEATURES

- elements can be folded on the long sides
- repeat pattern at 2.490 mm
- perforated or non-perforated
- other materials, sizes & surface finishes on request



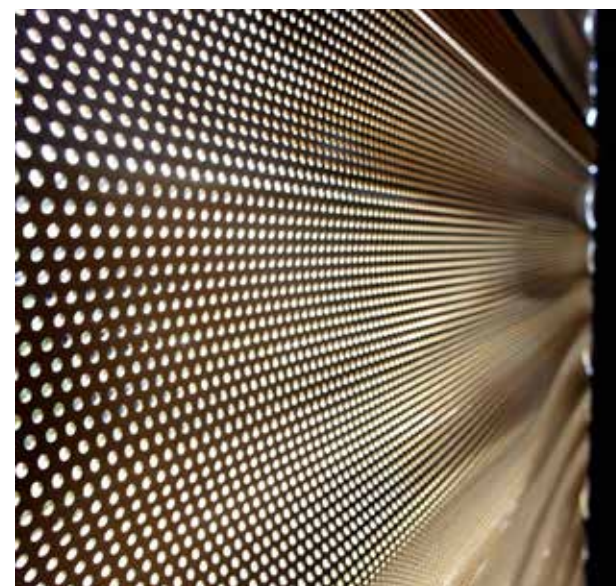
3D PLATES





ALPEWA CUBE
 ARCHITECTURE
 PRODUCT
 PHOTO

BOZEN, ITALY
 ALPEWA
 3D PLATE "WATERWAVE VISION", ALUMINIUM
 DARIO CONTI



CAR PARK
 ARCHITECTURE
 PRODUCT
 PHOTO

NUREMBERG, GERMANY
 JGT ARCHITEKTEN
 3D PLATE "WATERWAVE VISION", ALUMINIUM, ANODIZED E0/S120-0,5
 GOLDBECK



T 2/3
T 2/3

TECHNICAL PROPERTIES

SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements ceiling elements cladding elements
MATERIAL	aluminium steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 3,0 mm

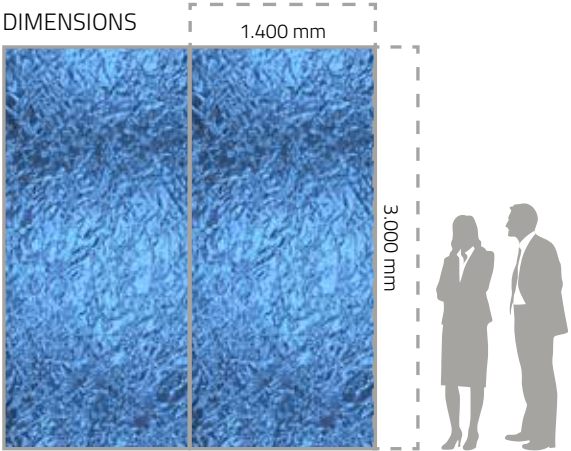
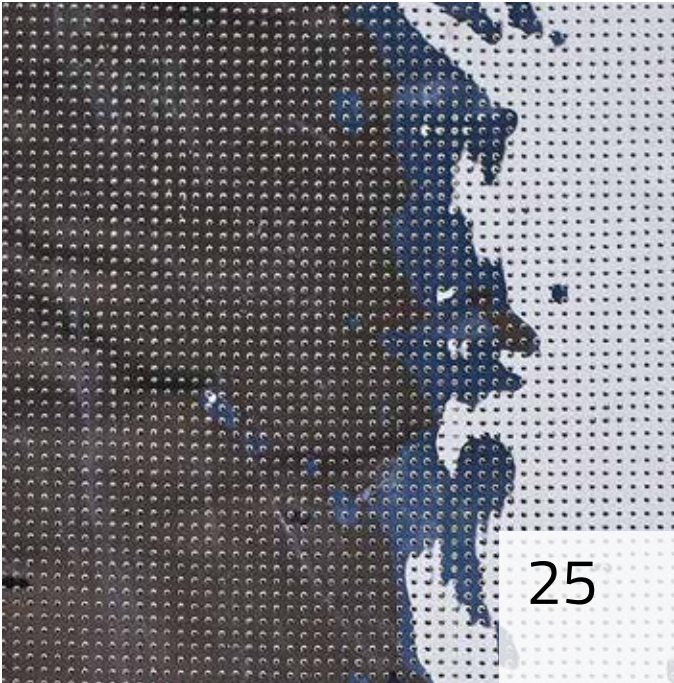
DIMENSIONS

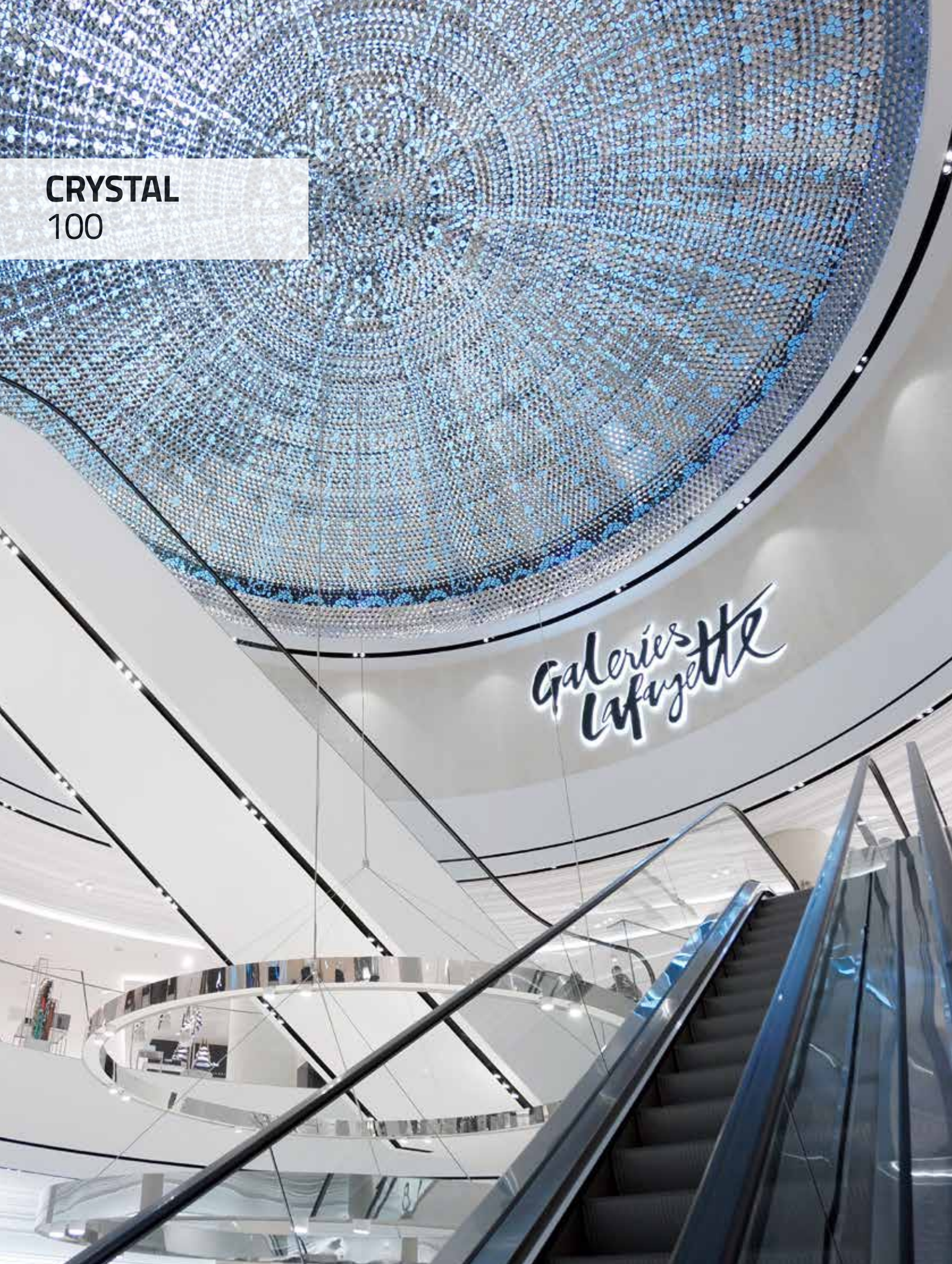
DIMENSIONS	<ul style="list-style-type: none">Width: 1.400 mmLength: 3.000 mm
HEIGHT	2,0 - 3,0 mm

FEATURES

- elements can be folded on all four sides
- perforated or non-perforated
- other materials, sizes & surface finishes on request

3D
PLATES





CRYSTAL
100

TECHNICAL PROPERTIES

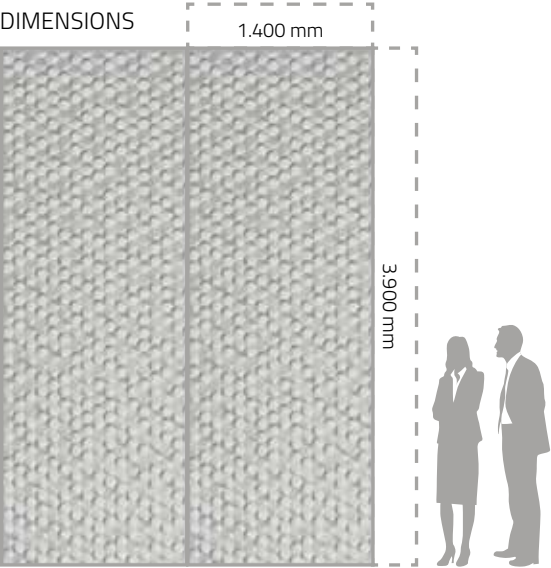
SURFACE FINISH	brushed anodized powder coated mirror polished
APPLICATION AREA	wall elements ceiling elements cladding elements
TECHNICAL ASPECTS	structurally effective acoustically effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 1,0 - 2,0 mm

DIMENSIONS

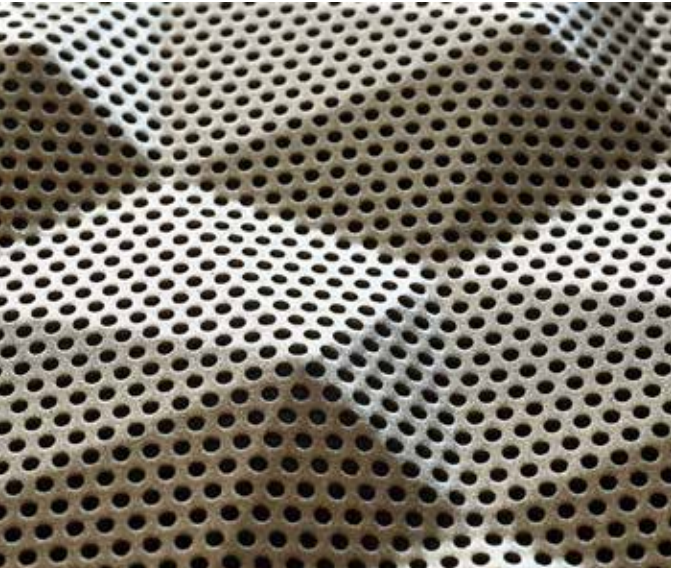
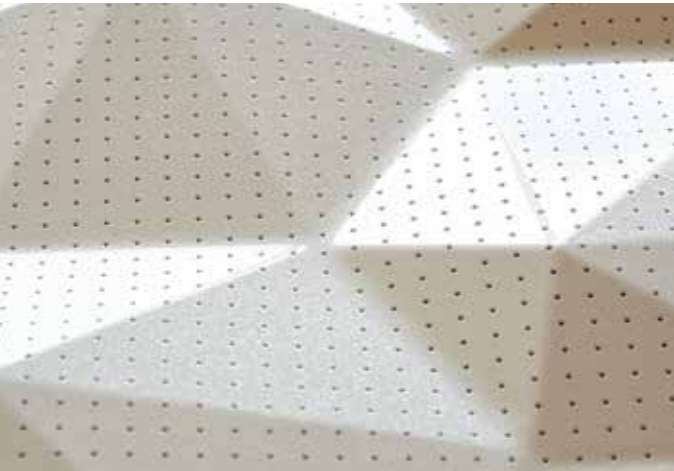
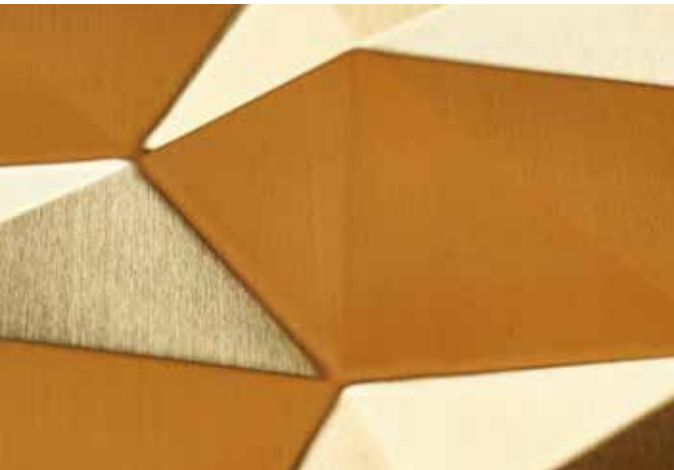
DIMENSIONS	▪ Width: 1.400 mm ▪ Length: 3.900 mm
HEIGHT	10 mm

FEATURES

- repeat pattern can be customized
- free arrangement of the crystals
- perforated or non-perforated
- folds along all sides with flat ends
- zick-zack cut for invisible joints
- other materials, sizes & surface finishes on request



3D
PLATES



WATERWAVE VISION 4000

TECHNICAL PROPERTIES

SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements ceiling elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium steel, stainless steel
MATERIAL THICKNESS	T = 3,0 mm

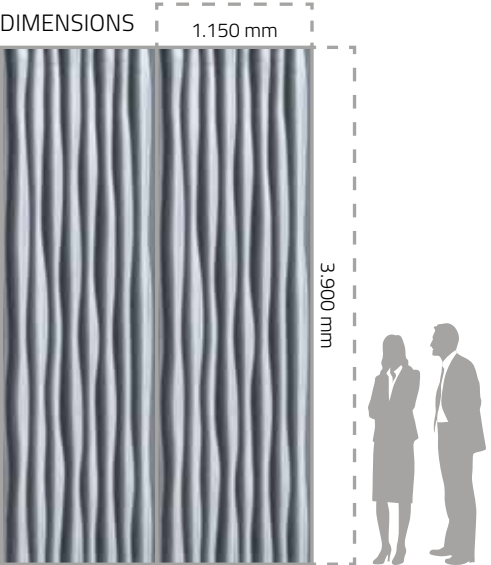
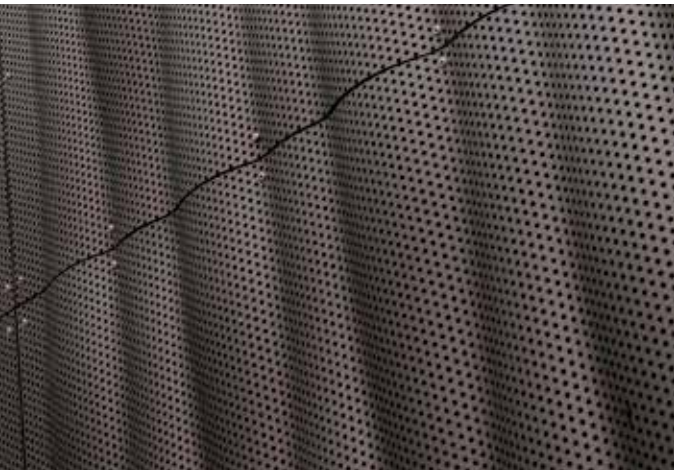
DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: 1.150 mmLength: 3.900 mm
HEIGHT	30 mm

FEATURES

- elements can be folded on the long sides
- matching joints/continous pattern
- repeat pattern at 3.000 mm and 3.900 mm
- perforated or non-perforated
- other materials, sizes & surface finishes on request

3D PLATES





TECHNICAL PROPERTIES

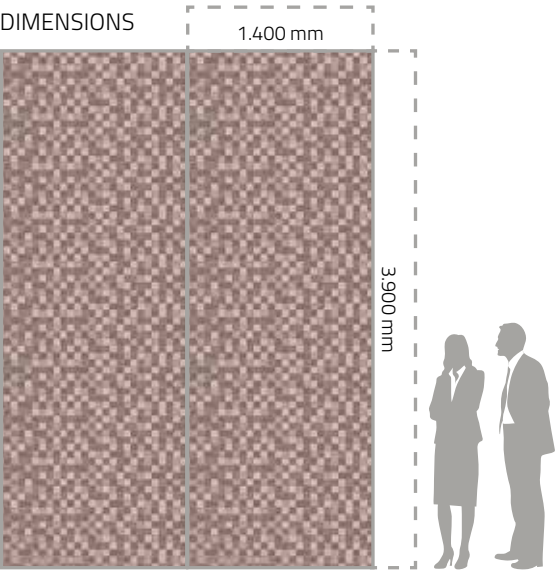
SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements ceiling elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 1,0 - 3,0 mm

DIMENSIONS

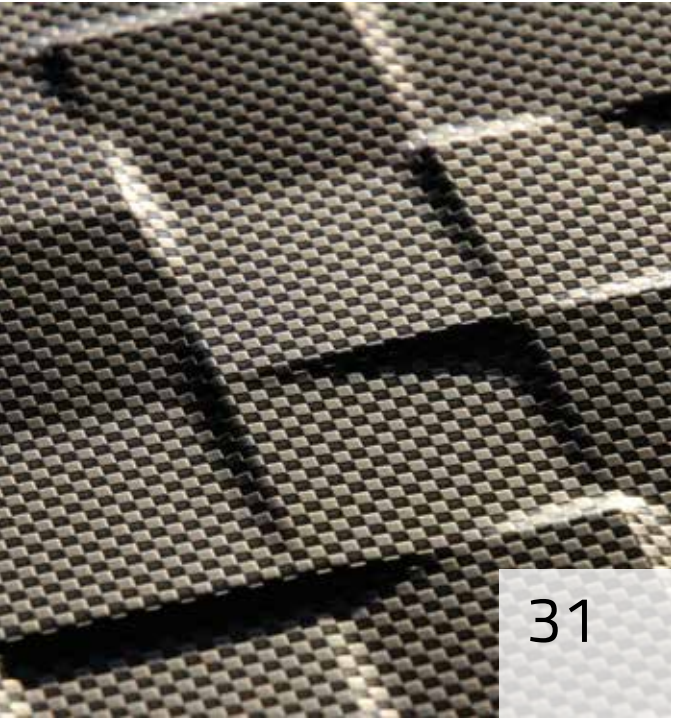
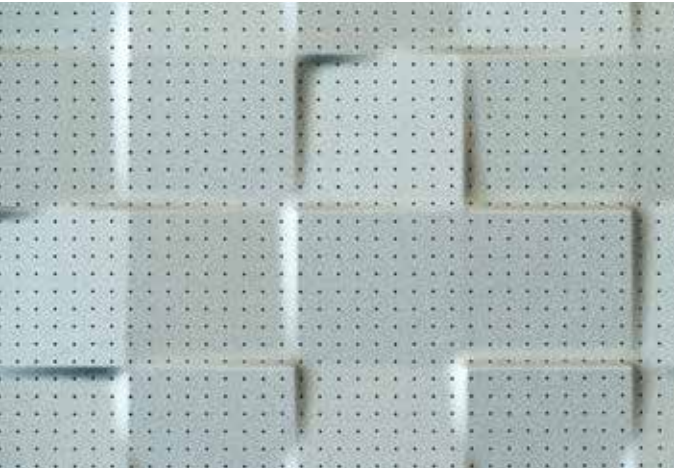
DIMENSIONS	▪ Width: 1.400 mm ▪ Length: 3.900 mm
HEIGHT	3,0 mm

FEATURES

- repeat pattern can be customized
- folds along all sides with flat ends
- other materials, sizes & surface finishes on request



3D
PLATES



WATERWAVE DMI



TECHNICAL PROPERTIES

SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

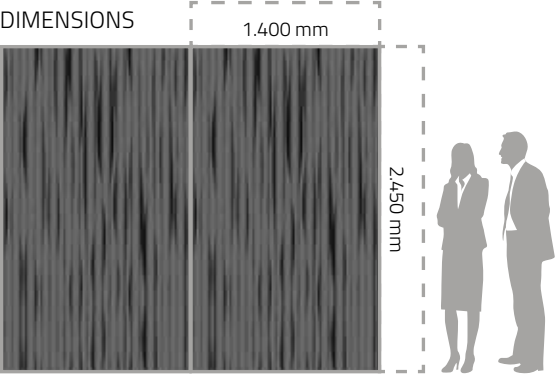
DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: 1.400 mmLength: 2.450 mm
HEIGHT	8,0 mm

FEATURES

- repeat pattern at 2.450 mm
- folding can be added on the long sides at 1.400 mm
- other materials, sizes & surface finishes on request

3D PLATES





WATERWAVE XL

TECHNICAL PROPERTIES

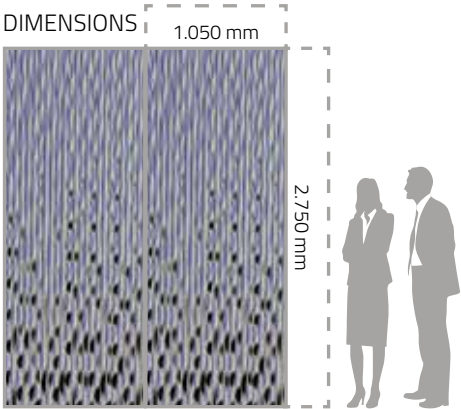
SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: 1.050 mmLength: 2.750 mm
HEIGHT	10 mm

FEATURES

- repeat pattern at 2.500 mm
- folding can be added on the long sides at 1.050 mm
- other materials, sizes & surface finishes on request



3D PLATES



CRYSTAL LUX

TECHNICAL PROPERTIES

SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

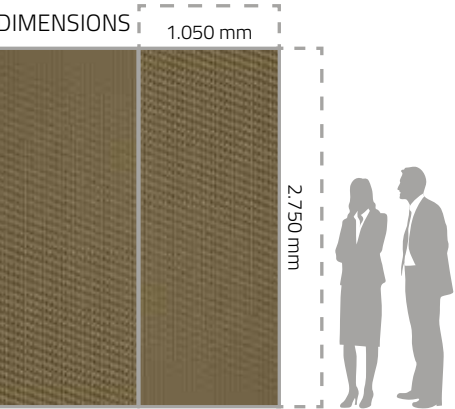
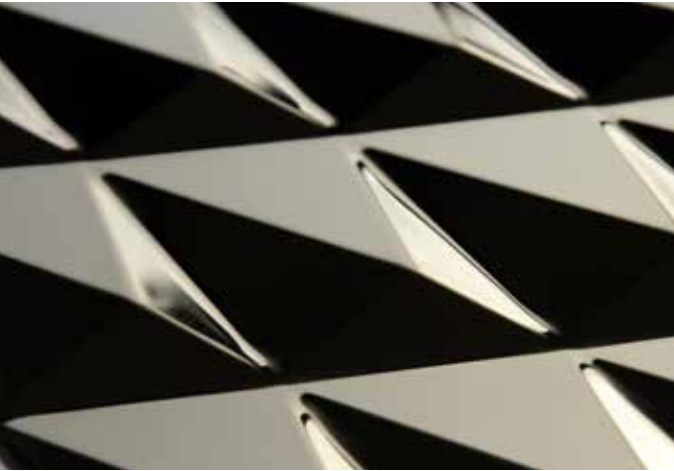
DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: on requestLength: on request
HEIGHT	5 mm

FEATURES

- folding can be added on all sides
- other materials, sizes & surface finishes on request

3D PLATES



WATERWAVE VISION 3000



TECHNICAL PROPERTIES

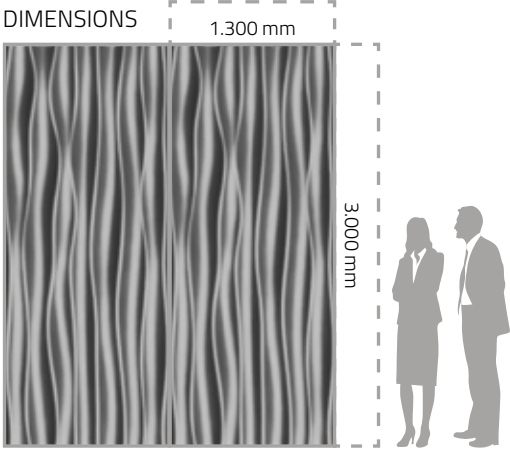
SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 3,0 mm

DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: 1.300 mmLength: 3.000 mm
HEIGHT	30 mm

FEATURES

- repeat pattern at 3.000 mm
- folding can be added on the long sides at 1.300 mm
- other materials, sizes & surface finishes on request



3D PLATES



DUNE
MEDIUM



TECHNICAL PROPERTIES

SURFACE FINISH	anodized powder coated mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	translucent structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

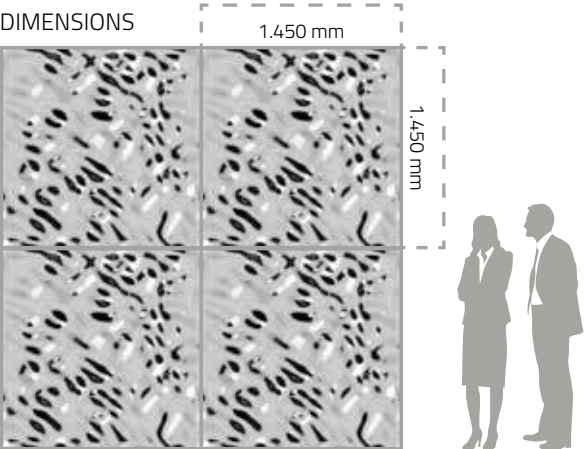
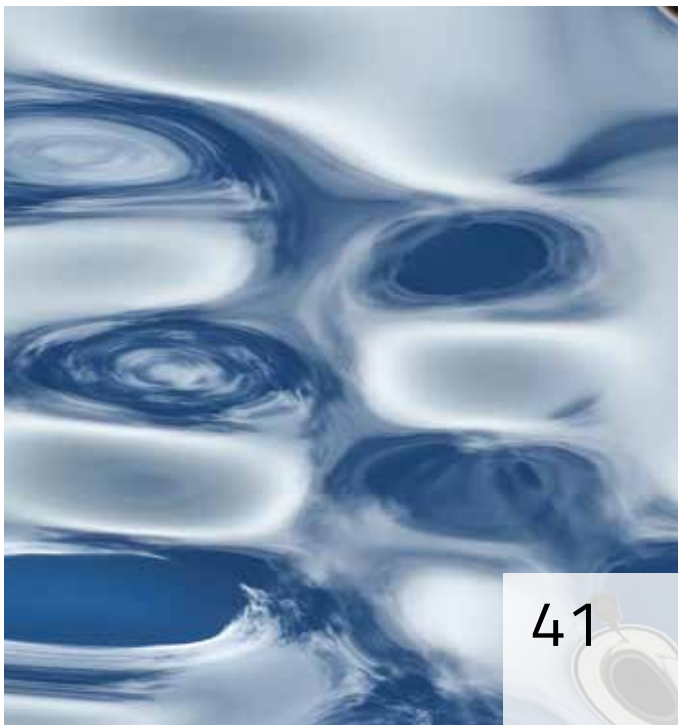
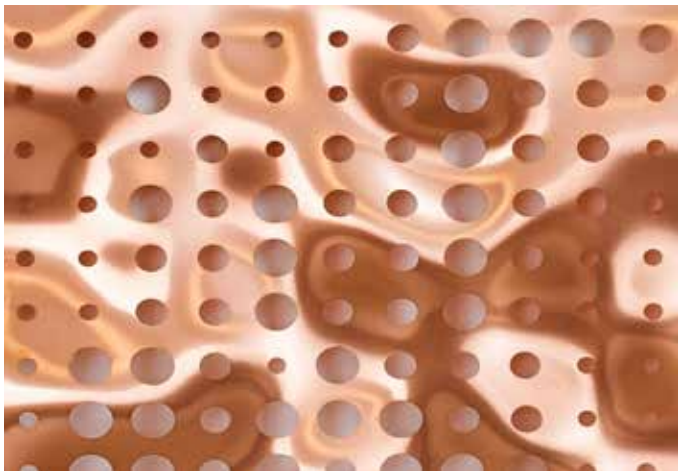
DIMENSIONS

DIMENSIONS	<ul style="list-style-type: none">Width: 1.450 mmLength: 1.450 mm
HEIGHT	20 mm

FEATURES

- four-sided repeat pattern at 1.450 mm
- other materials, sizes & surface finishes on request

3D
PLATES





HLS HERZIG
ARCHITECTURE
PRODUCT
PHOTO

WALDKIRCHEN, GERMANY
HM ZEILBERGER
3D PLATE "DUNE MEDIUM", STAINLESS STEEL, BRUSHED K-240
HM ZEILBERGER



M-PREIS SUPERMARKET
ARCHITECTURE
PRODUCT
PHOTO

TIROL, AUSTRIA
M-PREIS
3D PLATE "DUNE MEDIUM", ALUMINIUM, POWDER COATING
MARCUS EBENER

WATERWAVE SMALL



TECHNICAL PROPERTIES

SURFACE FINISH	anodized
	brushed
	bead blasted
	powder coated
	mirror polished
APPLICATION AREA	wall elements cladding elements
TECHNICAL ASPECTS	structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

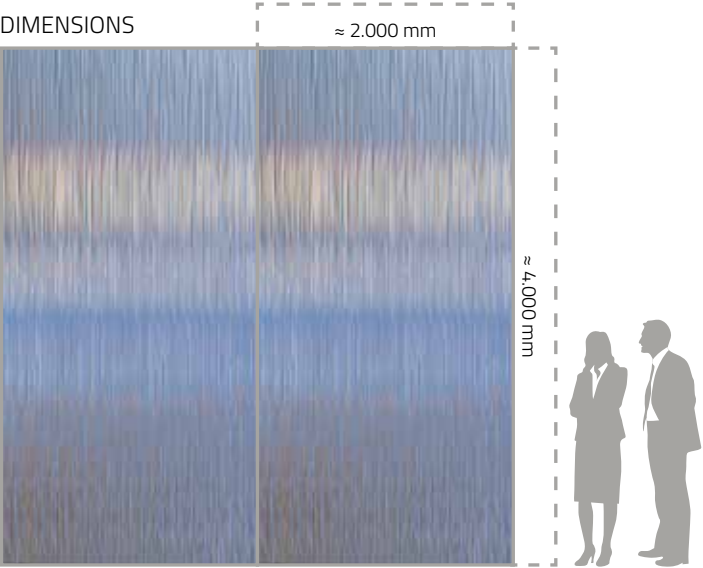
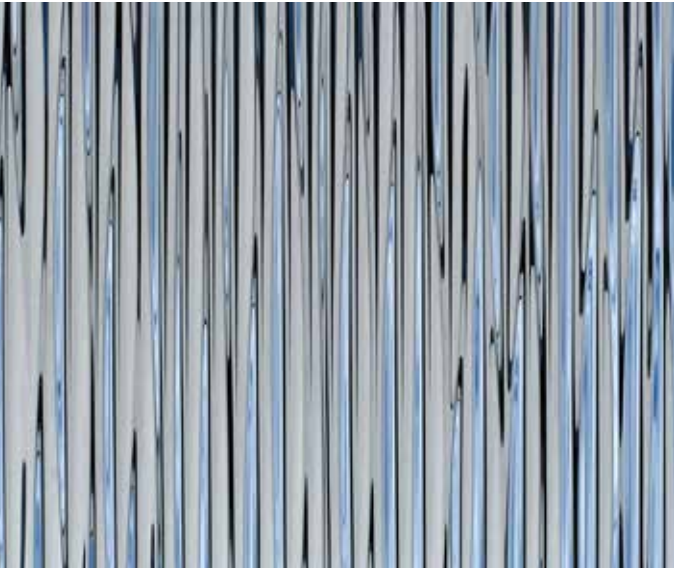
DIMENSIONS

DIMENSIONS	1.950 mm x 3.650 mm
	1.650 mm x 3.950 mm
HEIGHT	2,0 - 4,0 mm

FEATURES

- elements can be folded on all four sides
- other materials, sizes & surface finishes on request

3D PLATES



MATRIX
MATRIX



TECHNICAL PROPERTIES

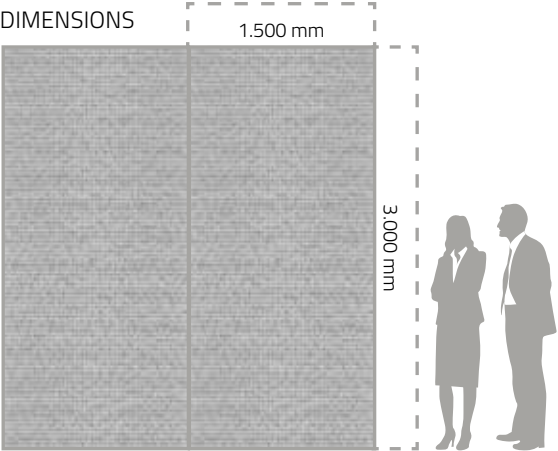
SURFACE FINISH	brushed anodized powder coated mirror polished
APPLICATION AREA	wall elements ceiling elements cladding elements
TECHNICAL ASPECTS	structurally effective
MATERIAL	aluminium copper, brass steel, stainless steel
MATERIAL THICKNESS	T = 0,8 - 2,0 mm

DIMENSIONS

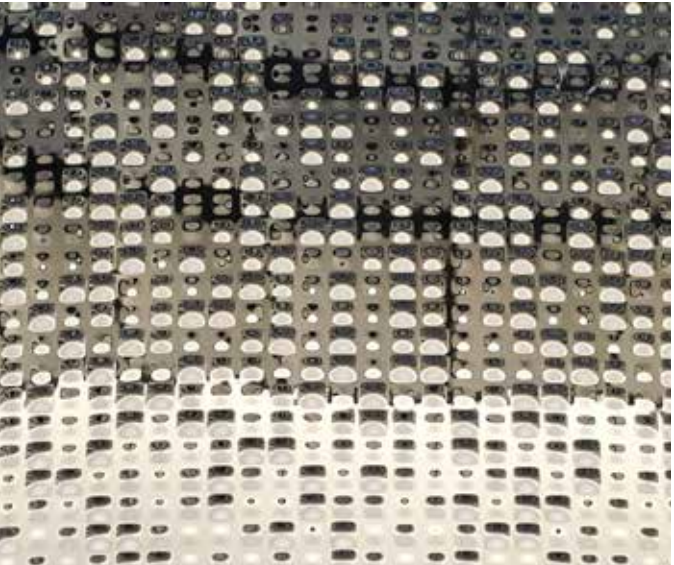
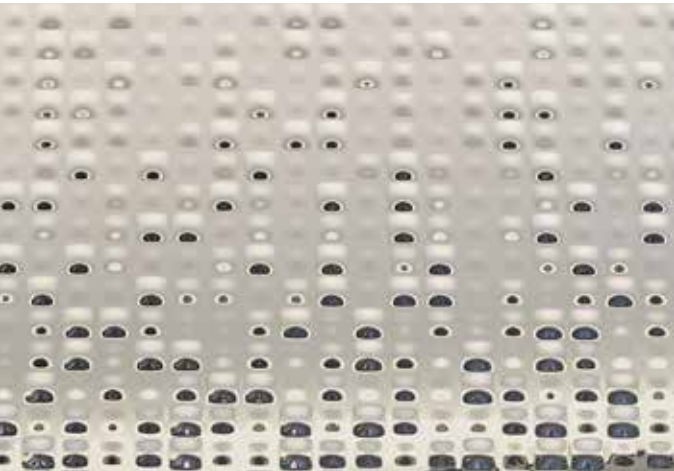
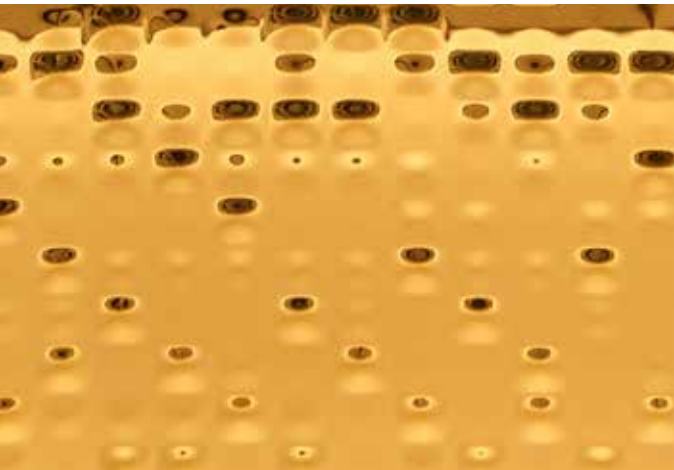
DIMENSIONS	▪ Width: 1.500 mm ▪ Length: 3.000 mm
HEIGHT	2,0 - 3,0 mm

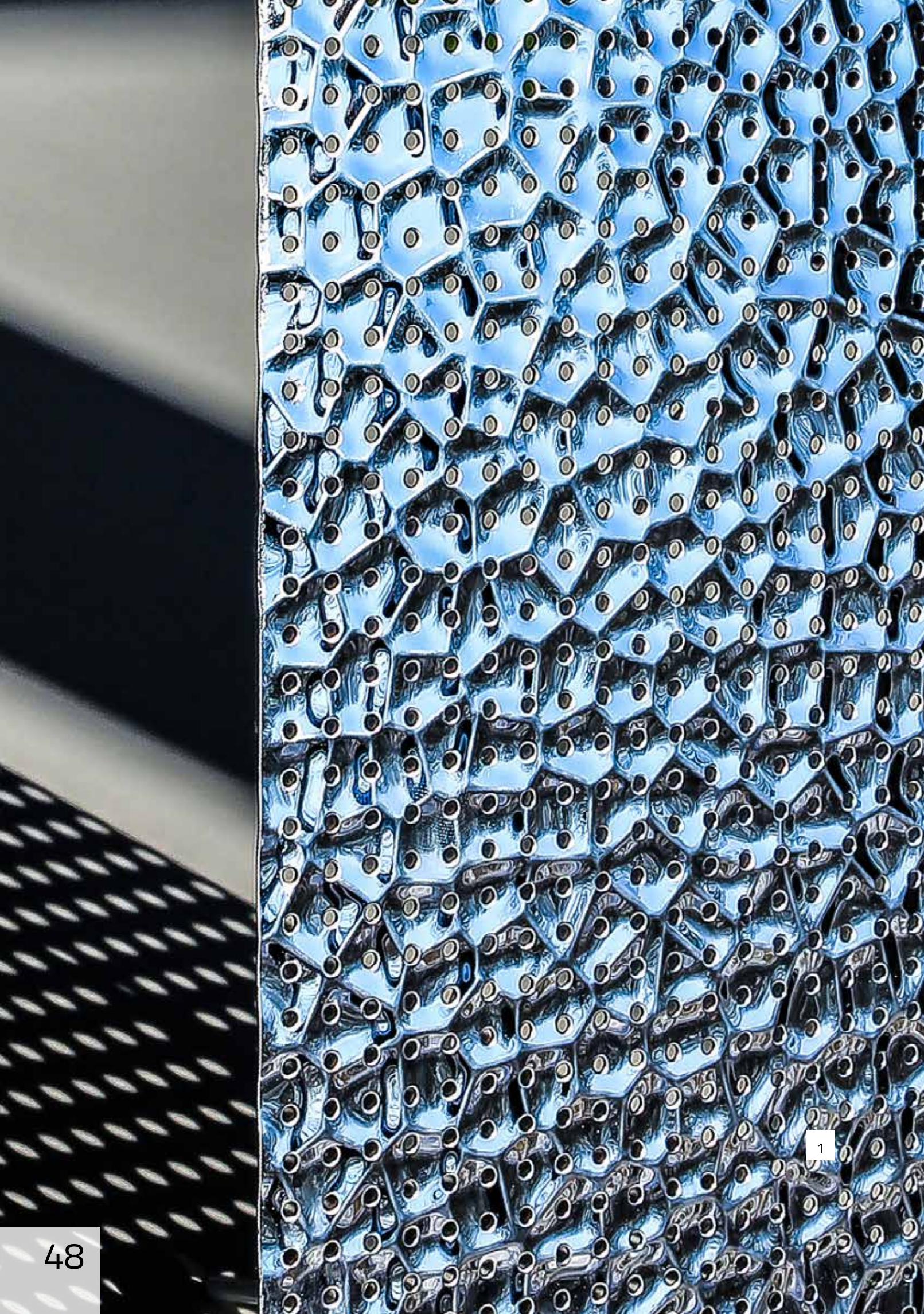
FEATURES

- elements can be folded on all four sides
- perforation possible
- other materials, sizes & surface finishes on request



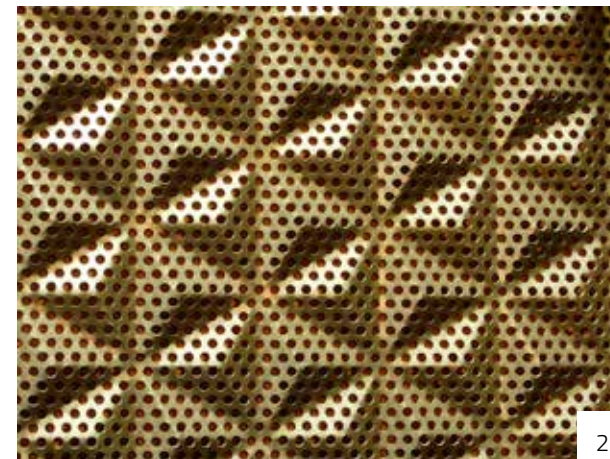
3D
PLATES





1

"IDEAS, PROTOTYPES
AND STUDIES"



2



3



4



5



6

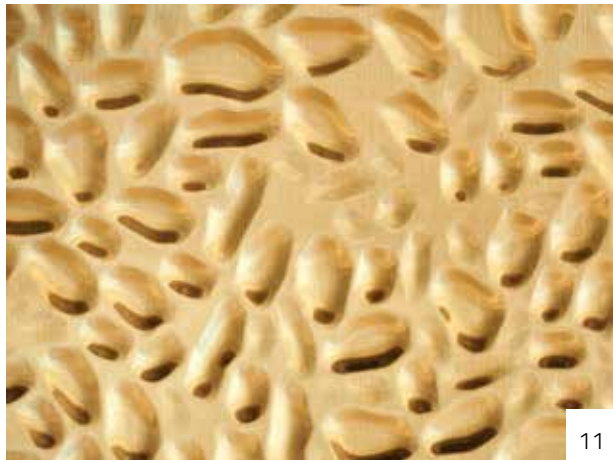


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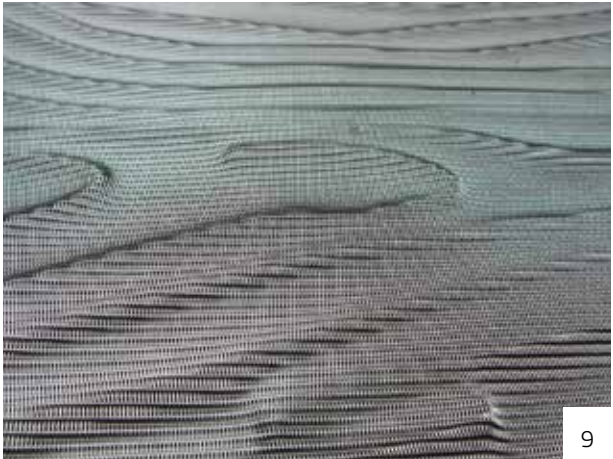
"IDEAS, PROTOTYPES
AND STUDIES"



8



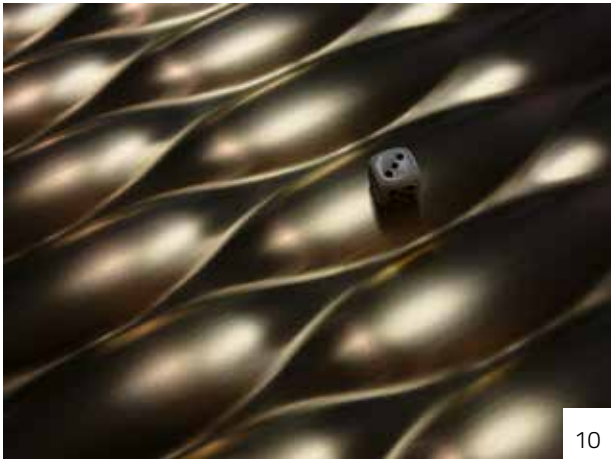
11



9



12



10



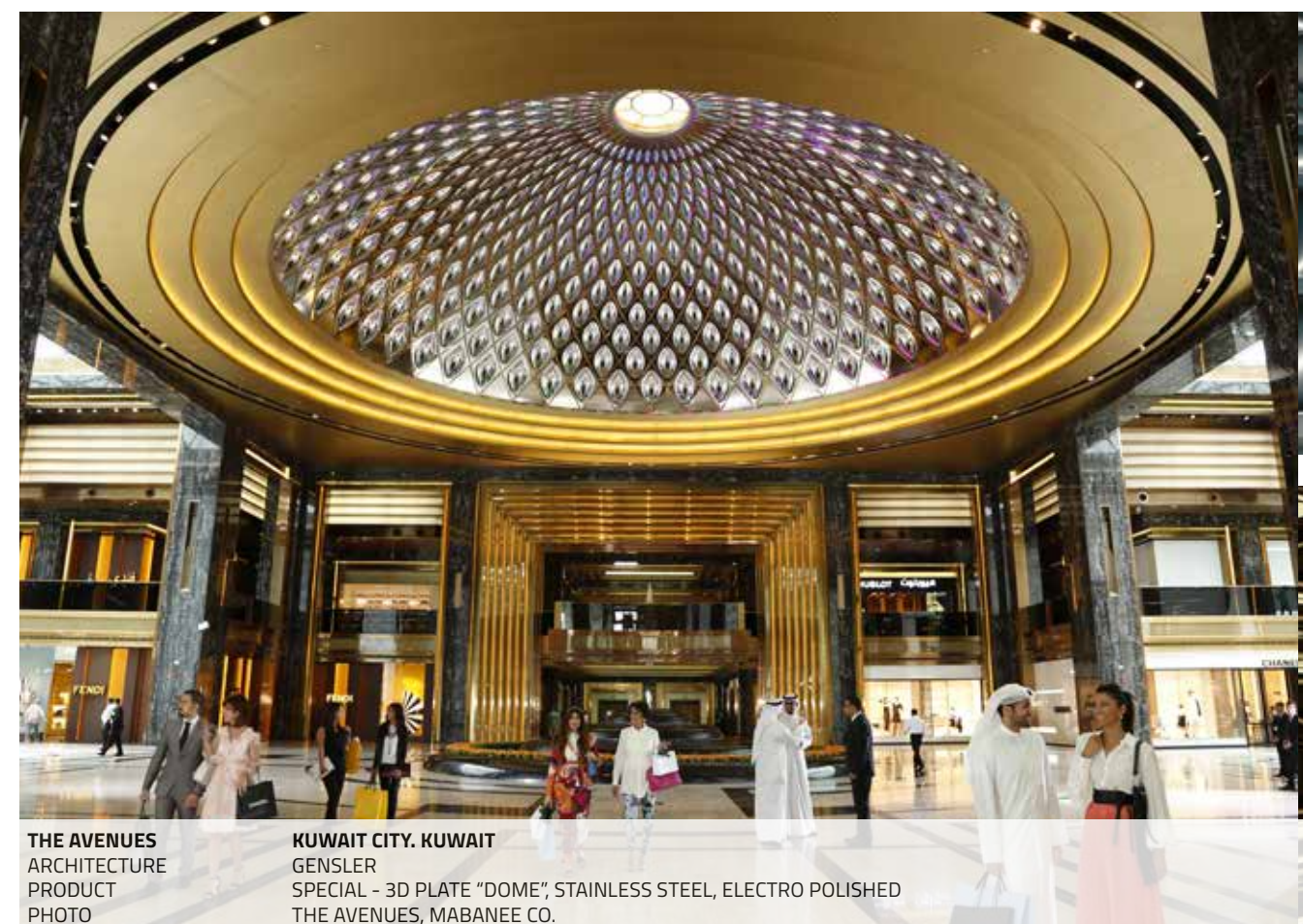
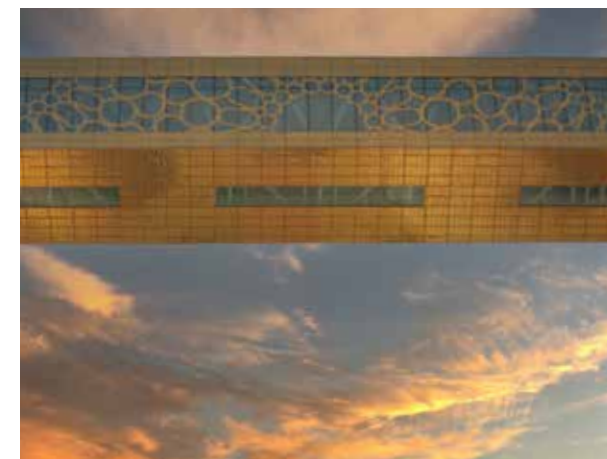
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INTERNATIONAL REFERENCES

Germany, Austria, UAE, Japan, North America, UK,
Turkey, France, Italy and many more.



THE AVENUES
ARCHITECTURE
PRODUCT
PHOTO

KUWAIT CITY. KUWAIT
GENSLER
SPECIAL - 3D PLATE "DOME", STAINLESS STEEL, ELECTRO POLISHED
THE AVENUES, MABANEE CO.



ATMOSPHERIC WAVE WALL
 ARCHITECTURE
 PRODUCT
 PHOTO

WILLIS TOWER, CHICAGO, USA
 OLAFUR ELIASSON
 SPECIAL 3D PLATE - POWDER COATED STAINLESS STEEL
 DARRIS LEE HARRIS COMMISSIONED BY EQ OFFICE © 2020 OLAFUR ELIASSON



FENDI FLAGSHIP STORE
 ARCHITECTURE
 PRODUCT
 PHOTO

GINZA 6, TOKYO, JAPAN
 CURIOSITY INC. JAPAN
 SPECIAL 3D PLATE - STAINLESS STEEL ARCH ELEMENTS
 CURIOSITY INC. JAPAN



HYPO NOE GROUP
ARCHITECTURE
PRODUCT^
PHOTO

ST. POELTEN, AUSTRIA
ZIESER ZT LTD.
SPECIAL - 3D PLATE "DUNE ST. POELTEN", ALUMINIUM, DURAFLON® COATING
RUPERT STEINER



KIZ-UNIVERSITY
ARCHITECTURE
PRODUCT
PHOTO

ERFURT, GERMANY
NICKL & PARTNERS
SPECIAL - 3D PLATE "WATERWAVE KIZ", ALUMINIUM, ANODIZED E6/EV2
WERNER HUTMACHER



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 ARCHITECTURE
 PRODUCT
 PHOTO
BREMEN, GERMANY
 HKP ARCHITECTS
 SPECIAL - 3D PLATE "CHARACTER", ALUMINIUM, POWDER COATING
 HKP ARCHITECTS



LANDMARK 7
 ARCHITECTURE
 PRODUCT
 PHOTO
HAMBURG, GERMANY
 HM ARCHITEKTEN
 SPECIAL - 3D PLATE "CLOUD", ALUMINIUM, POWDER COATING
 JAN HAESELICH

“**Alma D Design** concept was born from the desire to blend in a single piece, lightness seen as the lack of weight linked to the fabrics and the strength of the material such as iron or aluminium. The density of the material and the lightness imprinted on the mould merge to become a single sculptural piece.

This art design piece takes the name of **drape**, as to identify the desire inherent in the design to cover the building as a “dress” fabric personally made. But the intrinsic meaning of the drape is the desire to connect with the theme of continuity, that evolves and develops through a cyclical path. **The term Alma is actually the meaning of Soul, the internal sense of matter and its expression remain impressed on the surface of things; as to design material and its density.**

Alma D is the expression of a moment captured on a surface, whose finish can change, but the material expression will remain linked to lightness and fluidity. Like a wave of water, the design becomes sculptural, and coating at the same time. It is transformed according to the material treatments and the expression imprinted on the material surface, in which it is reflected.



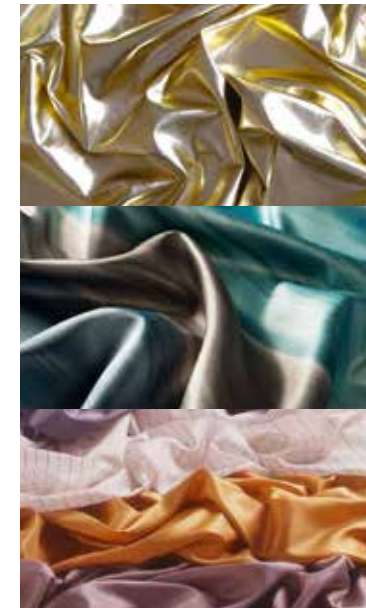
ALMA D O, © AMAART, Ph. Moreno Maggi

ALMA D:
Amaart Alessia Maggio designer, Alpewa srl and Fielitz sponsoring production and distribution

The material design was conceived through the construction of models made with the 3d printer that were able to help identify the various evolutions of the simulation of on the fabric. These photographed movements of the fabric were drawn freehand and subsequently imprinted in the 3D design and developed as a prototype up to the final shape and size.

The guideline of the project was to assign to material the form of lightness (weight loss) then became a single design element.

As well as the possibility of transferring an iconic image to the cladding element, which transcends the initial function to become Other; therefore a sculptural and artistic element.



Drape transformation and sequence



“**Freed from the conditions of belonging, crossed by wind and sound, moved in nature, which has developed into an shelter surface**

AM



ALMA D O, © AMAART, Ph. Moreno Maggi

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