

Freund  
MATERIAL FÜR IDEEN

35 YEARS FREUND GMBH · WE BRING NATURE INSIDE YOUR ROOMS

With our product lines  
GREEN NATURE ELEMENTS

*we break*

*through*

the straight lines  
in rooms.

**Josef Freund**  
Chief Executive Officer  
of Freund GmbH



**Nina Freund**  
Marketing / Sales





## ABOUT US

Freund GmbH is an Austrian company with a representative office in Berlin. We are successfully active as a trading partner and producer both nationally and internationally for over 35 years.

Besides the latest trends in wall design, we provide innovative materials for exclusive interior design. Our customers include designers, planners, architects and builders who want to set themselves apart from the competition through exclusive projects.

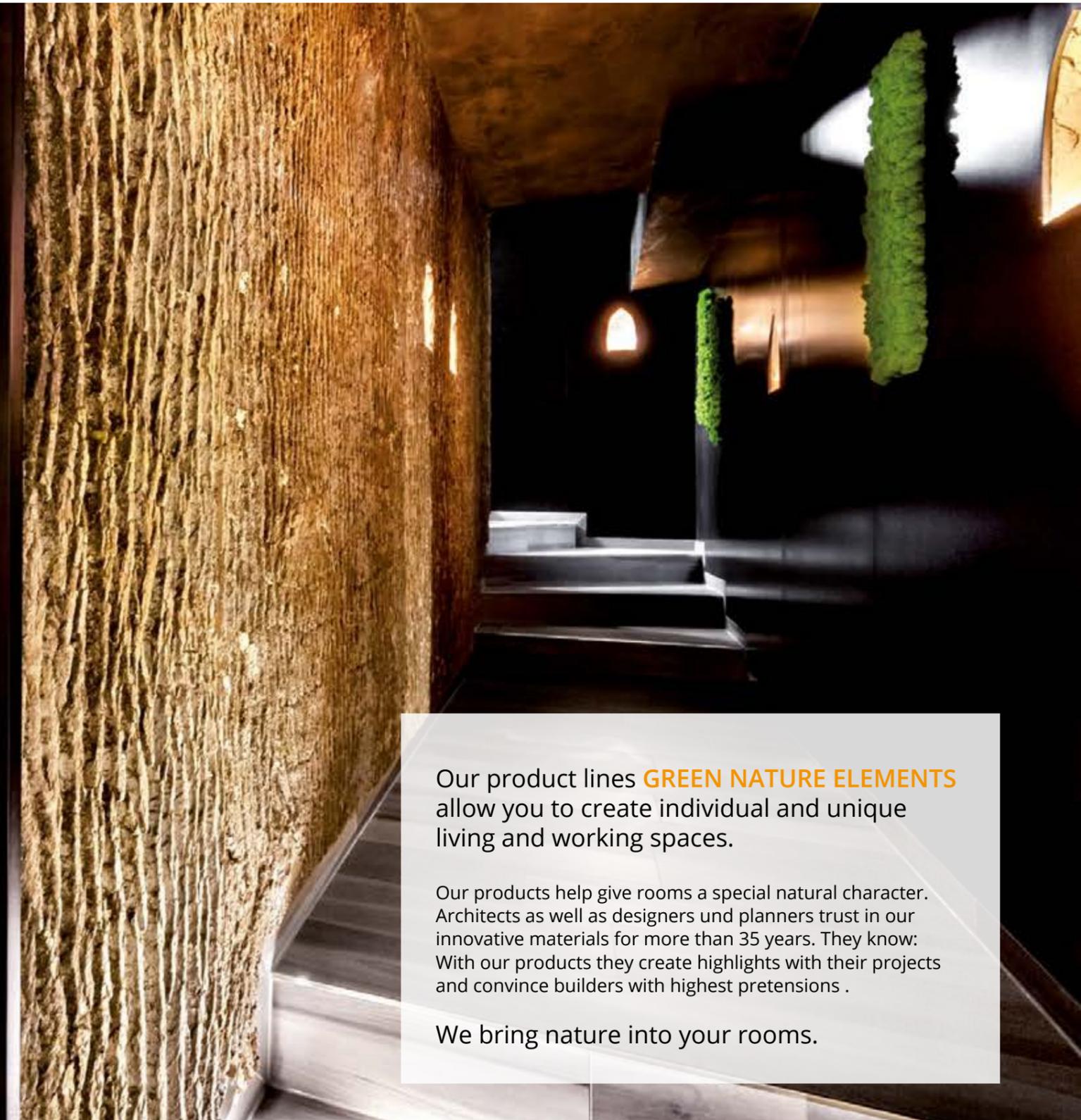
## OUR PHILOSOPHY

Architecture's limitations create work environments and living spaces which focus on aesthetics and functionality. With our materials, we are creating oases of well-being, which by their very natural character and uniqueness set an counter-balance to the high-tech society.

# CREATING COMFORTABLE SPACES



Evergreen Moss Premium, colour: apple green, combined with poplar bark,  
project: MUN Restaurant Munich, image: Format Works by Stefan Herx



Our product lines **GREEN NATURE ELEMENTS** allow you to create individual and unique living and working spaces.

Our products help give rooms a special natural character. Architects as well as designers und planners trust in our innovative materials for more than 35 years. They know: With our products they create highlights with their projects and convince builders with highest pretensions .

We bring nature into your rooms.



## GREEN



## NATURE



## ELEMENTS



## PROJECT SOLUTIONS

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### GREEN

In the concept of Japanese Zen, moss is considered a symbol for peace, silence and permanence. In Western philosophy, plants and the colour green represent freshness, strength and regeneration. The interaction of both components led to the idea of our vertical greening systems of our product line GREEN.

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### NATURE

Modern architecture is increasingly focusing on the trend towards natural materials. To counter the effects of our fast-paced high-tech world, we are newly defining traditional values such as safety and comfort in a modern way. This is where our product line NATURE starts: leather floors made from authentic cow or buffalo leather, wall panels made from poplar, cork, birch or larch bark, from woods bleached by the sun or preserved.

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### ELEMENTS

Panta Rhei – everything flows, as the Greek philosopher Heraclitus already knew. In our product line ELEMENTS we work with flowing water, translucent materials from glass and metal foams and precise CNC-milled MDF panels to give walls and facades an exclusive and distinctive character. To achieve this effect, we utilise the interplay between movement and light as well as a clear design language based on natural forces.

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### PROJEKTLÖSUNGEN

We offer you innovative materials for your projects. At trade fairs, in offices, in wellness oases and on facades, we use our materials to reconnect with the source of our creativity, nature.

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# GREEN



## GREEN WALLS MADE OF MOSS AND PLANTS

We use only real mosses and plants for our green wall elements. We make sure that the elements are easy to install and that our customers are given extensive guidance. For the living plant elements we use appropriate framing and wall systems that integrate the technical parts and have automated watering/fertilization.

The natural mosses used in our product lines **Evergreen** (reindeer moss), **Greenhill** (cushion/bun moss) and **Greenwood** (forest moss) are cleaned and preserved using a special process. As a result, our moss pictures and walls maintain their natural green colour and do not need artificial light, care or feeding.

### YOUR BENEFITS:

- No care
- No maintenance
- Sound absorbing up to 90 %
- Fire protection B1 upon request

Detached moss wall made of Evergreen Moss Premium, colour: moss green, project: Showroom Deutsche Werkstätten Leipzig, image: Asaf Oren



## EVERGREEN MOSS

### MOSS PICTURES AND MOSS WALLS

Since 2008 we are on the market with our moss products, and as one of the first manufacturers in Europe, have co-founded the trend of natural indoor moss walls.

With Evergreen Moss Premium you set a highlight in your spaces. The evergreen moss pictures and walls are sound absorbing up to 90 % and do not require any light, irrigation or feeding.

We exclusively use real moss and plants to produce our green wall elements. Our production process begins with a strong focus on sustainability: We carefully harvest only individual moss areas by hand to not disturb its natural growth.

The natural moss is cleaned in a resource-friendly way and preserved, in the next stage, we use our moss factory to create handcrafted, unique moss pictures and walls. We always keep in mind to ensure that the elements are easy to install.

Upon request all moss pictures and moss walls are available with fire protection certificate B1.

**100% NATURAL MOSS**  
**100% CRAFTSMANSHIP**  
**100% SUSTAINABLE**  
**MADE IN GERMANY**

Evergreen Moss Premium moss picture, image: Corinna Jacobs for Freund GmbH



Evergreen Moss Premium, colour: apple green, moss picture with lateral moss frame, 2 pictures sized 39.37 x 98.42 inch (1000 x 2500 mm), project: skandinavian kitchen INWOHNEN, image: studio be

## EVERGREEN MOSS PREMIUM

### MOSS PICTURES AND MOSS WALLS

Our Evergreen moss pictures and moss walls are made of cleaned, specially preserved reindeer moss. The individual florets keep a flexible structure through our preservation, which keeps the moss permanently soft and green.

After preservation, the moss is double-mounted on custom sized carrier panels. This unique method of double attachment is only one of our premium quality features.

### CHOOSE FROM 15 COLOURS

#### standard colours



#### special colours



\* The reindeer moss is a natural material that can be dyed in different colours. Because moss is a natural product and because of its presentation (e.g., indoor, outdoor, different lighting and so forth), the actual colours might differ from the images.

images: KOMPE IMAGES for Freund GmbH

Evergreen Moss Premium:

- **Unique manufacturing: We double-attach the Evergreen Moss Premium to the carrier panel**
- **Regulating room climate**
- **Sound absorbing up to 90 %**
- **Fire protection B1 upon request**

### EXTENSIONS

For a more natural look, it is also possible to cover the frame of your moss picture with moss instead of aluminum or wood. For this, the moss is pulled over the edges, which gives the impression of moss growing directly out of the wall.



Evergreen Moss Premium, with optional moss on the side panels (moss frame)



Evergreen Moss Premium, without moss on the side panels

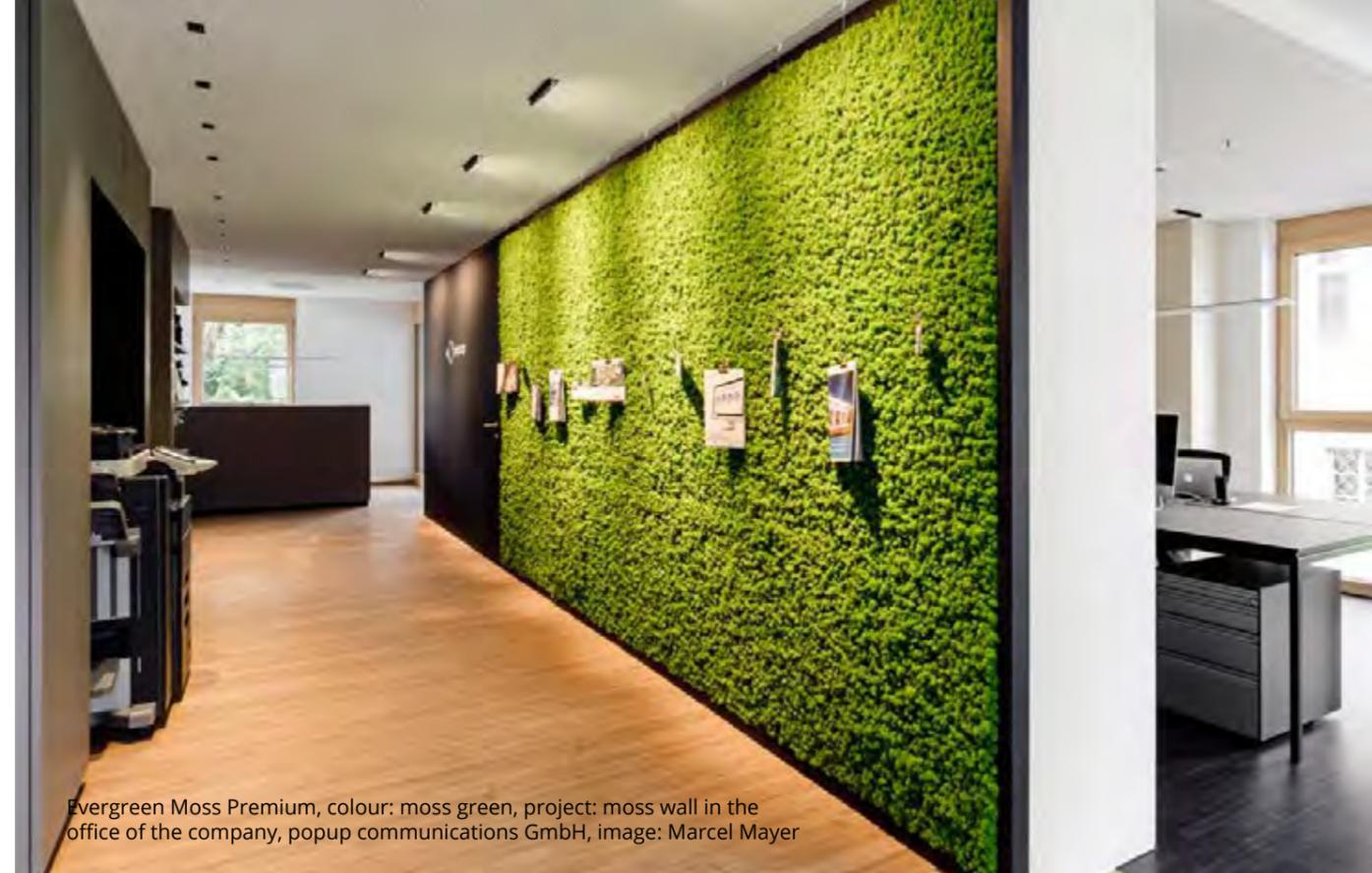
Additionally, you can order split battens from us so the green "artworks" can be installed quickly and directly onto the wall.



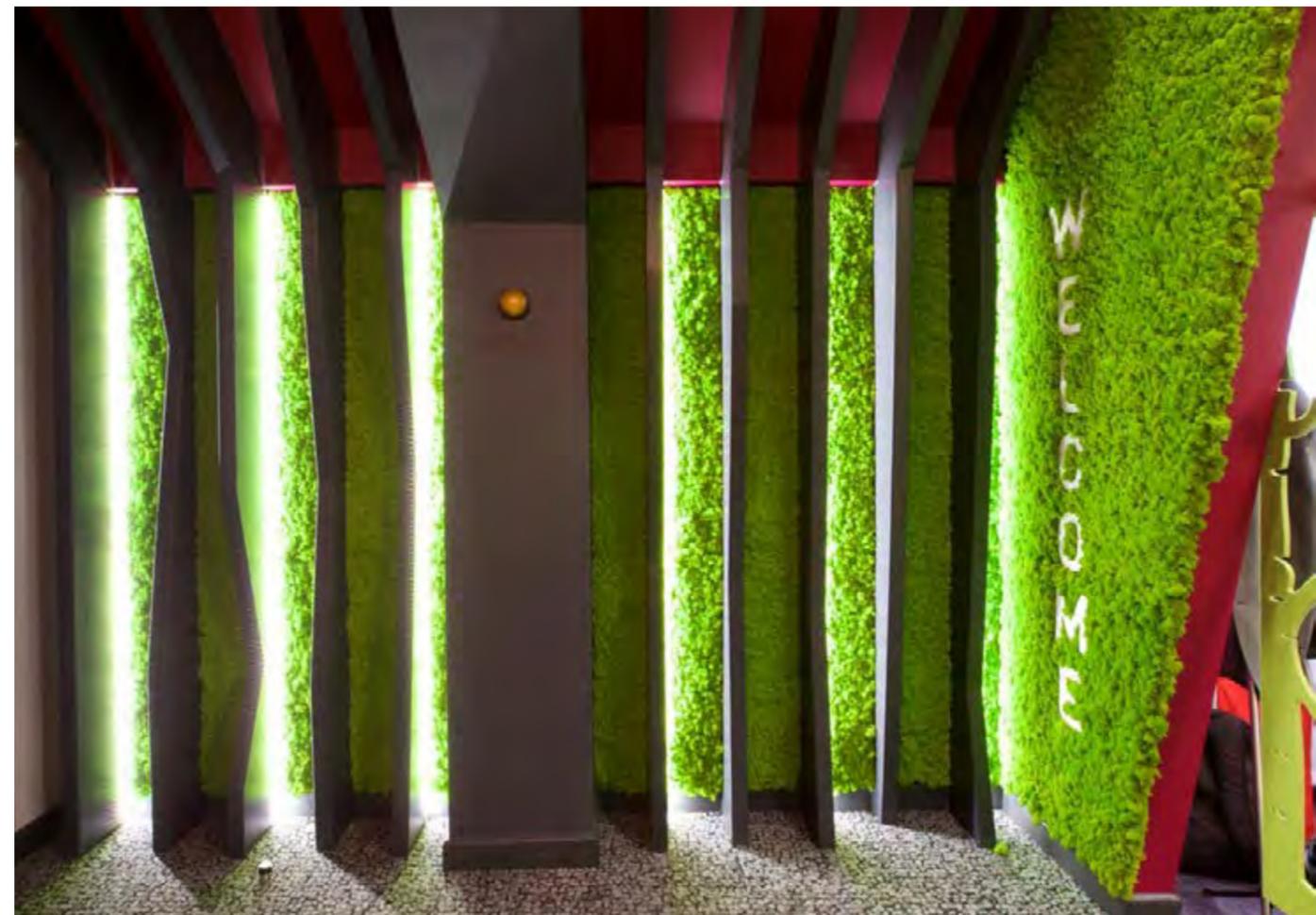
Split battens



Evergreen Moss Premium as free-standing elements,  
project: Passauer Wolf, image: Andreas Schwarz for Freund GmbH



Evergreen Moss Premium, colour: moss green, project: moss wall in the  
office of the company, popup communications GmbH, image: Marcel Mayer



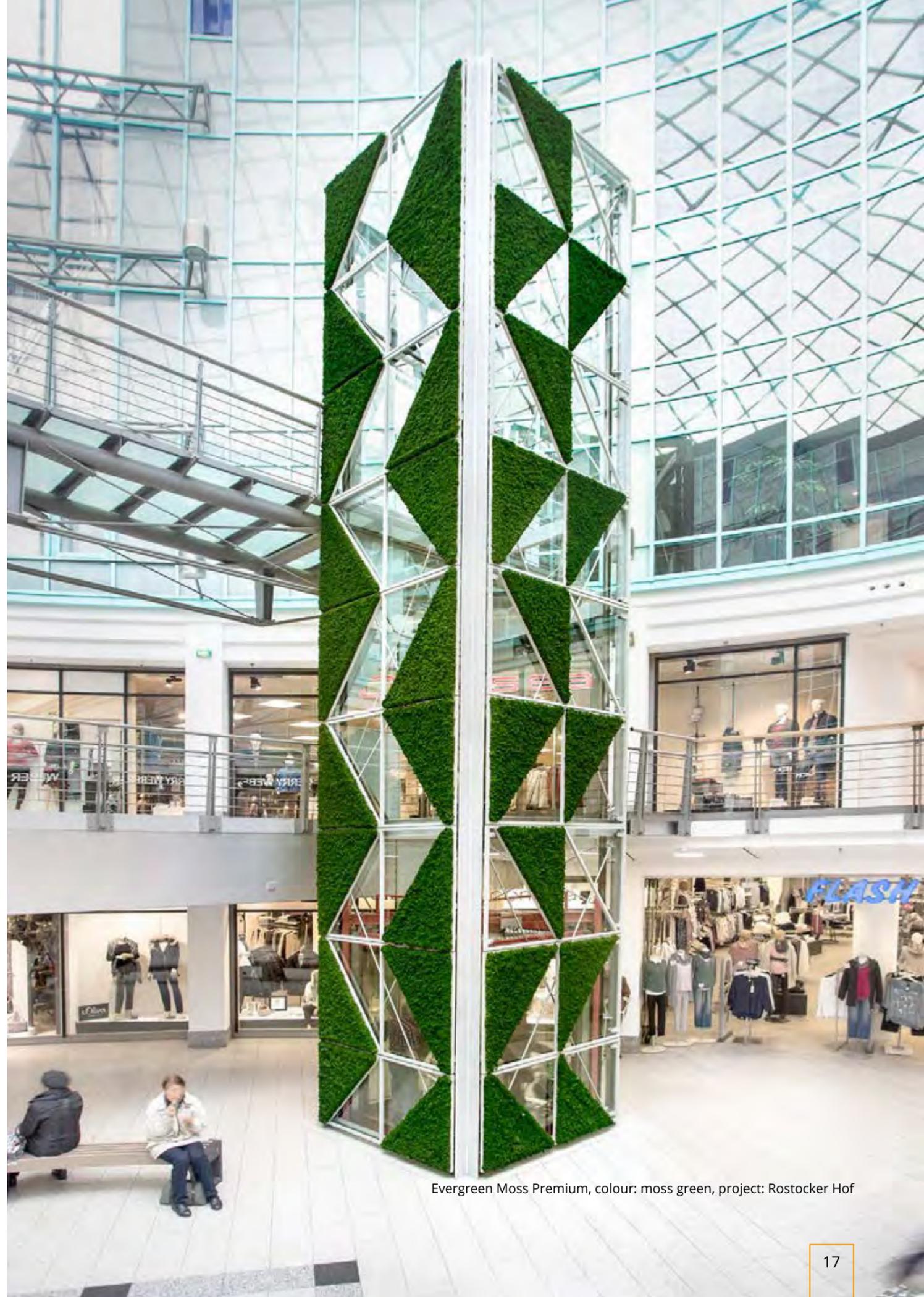
Evergreen Moss Premium, colour: apple green, project: AMH, partner/image: Innerspace Cheshire



Evergreen Moss Premium, colour: moss green,  
 project: world map made of real moss in the offices of European headquarter Clinton,  
 Berlin Hoppegarten, in cooperation with Susanne Kaiser, image: Andreas Schwarz for Freund GmbH



Evergreen Moss Premium, colour: moss green,  
 project: room divider and world map made of real moss inside the business offices of the Clinton company,  
 Berlin Hoppegarten, in cooperation with Susanne Kaiser, image: Andreas Schwarz for Freund GmbH



Evergreen Moss Premium, colour: moss green, project: Rostocker Hof



Evergreen Premium, Farbe: moss green, project: VIP lounge of VfL Wolfsburg ceiling installation at the VIP-Lounge of VfL Wolfsburg, Design: Imme Vogel, immenwerk GmbH, implemented by Brust und Partner, image: Darius Simka/regios24



Evergreen Moss Premium, colour: black, project: TOM DIXON X CURVE, Los Angeles



Evergreen Moss Premium, colour: black  
Projekt: Tom Dixon fair stand, MAISON&OBJET PARIS, Foto: Dariusz Lech

**MOSS PICTURES  
AS INDIVIDUAL AS YOU!**

Evergreen Premium Moss can be variably composed – in almost any colour and in any shape you like – so that you can have your moss pictures with unique effects that will become eye-catchers.

Logos and graphic symbols can be realized as well as letters, maps or figures.



Evergreen Premium, bicolour in apple green and moss green, project: private installation



Evergreen Premium, colours: moss green, apple green, sky blue, project/image: Showroom of our partner Planters Horticulture, Dubai



Evergreen Premium, free form, colours: snow white, ocean blue, project/image: Steuerbüro Edelweiss



Evergreen Premium, free form, colour: apple green, prefixed wooden logo, project/image: www.osteopathie-niehaus.de



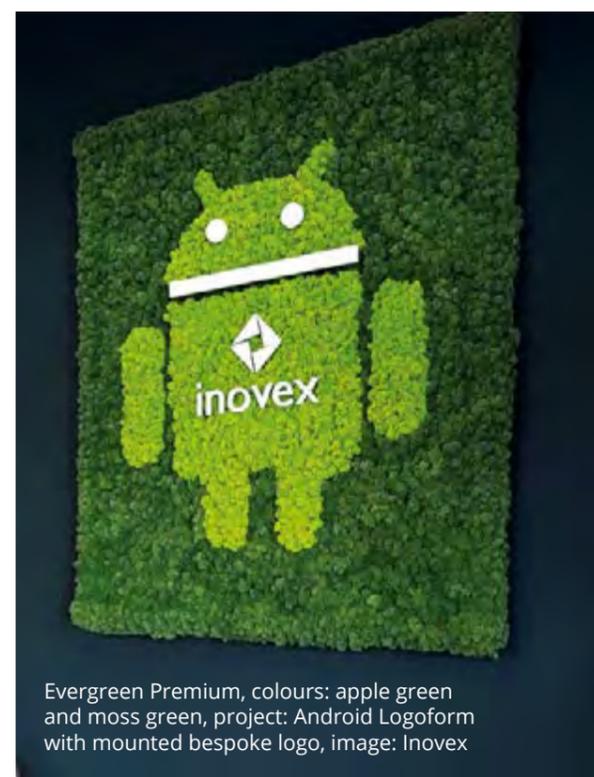
Evergreen Premium, colour: pink, project: Circle Fitness Munich realized with Brückner Architekten



Evergreen Premium, Moss logo letters, project: Huber



Evergreen Premium, colours: moss green and apple green, project/image: brotzeit, Hong Kong



Evergreen Premium, colours: apple green and moss green, project: Android Logoform with mounted bespoke logo, image: Inovex



Evergreen Premium, colour: ocean blue, with prefixed metal logo, project: Allianz, realized with Uwe Bastuck

Evergreen Premium, Minion figure, size: 1700 x 1000 mm



moss green    apple green

Moosgreen flexible: each panel is 14.96 x 22.83 inch (380 x 580 mm), One sales unit includes five panels in one package (equals a surface of 1.1m<sup>2</sup>), image: KOMPE IMAGES



The natural moss pictures can be installed flat, convex or concave around objects or can be installed as moss wall, images: KOMPE IMAGES

## MOOSGREEN FLEXIBLE

The flexible panels with 100 % reindeer moss are perfect for simple self-installations. The natural moss pictures can be flat, convex or concave around objects or can be installed as moss wall. This leads to endless possibilities in decorating spaces with moss.

Our moss pictures and moss walls are made of cleaned, specially preserved reindeer moss – the same moss as used for Evergreen Premium, but the preserved moss is mounted on a flexible carrier in standard size.

The product does not require any light, irrigation or feeding.

### YOUR BENEFITS:

- No care
- No maintenance
- Simple cutting and installation
- Sound absorbing up to 90 %

Moosgreen Flexible, colour: moss green, format: 86.61 x 216.53 inch (2200 x 5500 mm), project: Cafeteria St. Agnes church Berlin, image: Freund GmbH



The moss panels can be either stapled, screwed or directly glued to a wooden subsurface, image: KOMPE IMAGES



Set the surfaces into the right spot and stage your moss or moss wall, image: KOMPE IMAGES



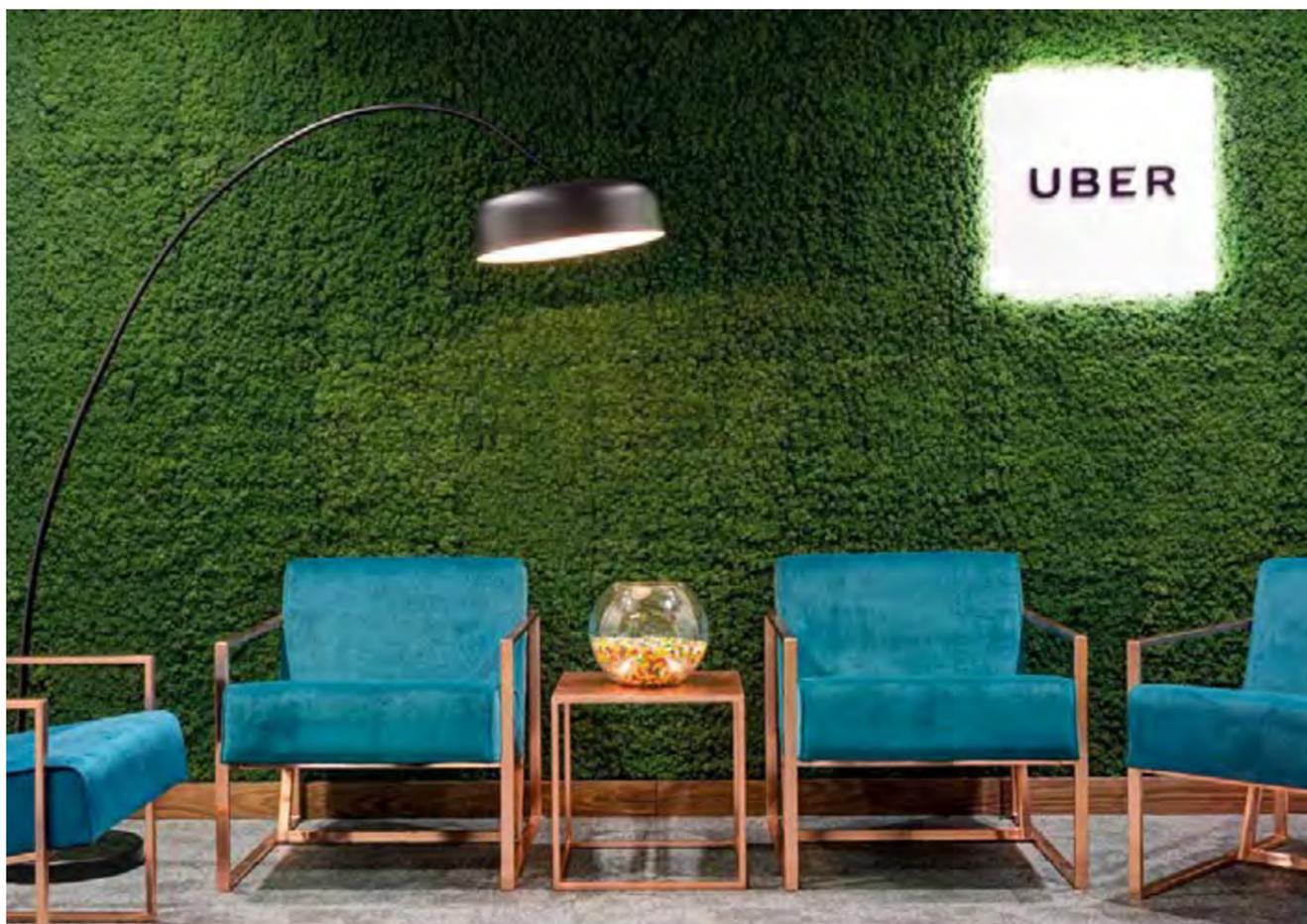
Moosgreen Flexible, colour: moss green, project: Sound absorbing moss lamp installation for Sparkasse Großumstadt, in collaboration with P2 Architekten, image: Thomas Ott



Moosgreen Flexible, colour: moss green, project: Sound absorbing moss lamp installation for Sparkasse Großumstadt, in collaboration with P2 Architekten, images: Thomas Ott



Moosgreen Flexible, colour: moss green, project: Careline offices Dormagen, in cooperation with Dipl. Ing. Interior Designer Ulla Blennemann, image: Elena Hill Photography



Moss wall with integrated logo, made of Moosgreen Flexible, colour: moss green, project: Uber, Aldgate Tower (London), designer: Denton Associates, realized in cooperation with Innerspace Cheshire



Moss columns with Moosgreen Flexible, colour: moss green, project: Shoes Lounge at Atré Kawasaki, Japan, image: Magnus Photography, [www.magnusphotography.com](http://www.magnusphotography.com)



Greenhill circular,  
0.6 m to 3.4 m diameter



## GREENHILL MOSS

### MOSS PICTURES AND WALLS

Whether a small picture or a complete wall, Greenhill is always a green work of art. We like to use the round cushion mosses for unusual ceiling and object designs.

With their natural ability to absorb sound, the moss pictures make a decisive contribution to one's well-being – be it in private living spaces or in an office setting. Greenhill can also be made according to individual requirements, for instance on curved supporting elements, resulting in an impressive 3D effect.



Greenhill circular with  
red coloured cushion/bun moss



Aluminium framed circular Greenhill Moss picture

images: KOMPE IMAGES



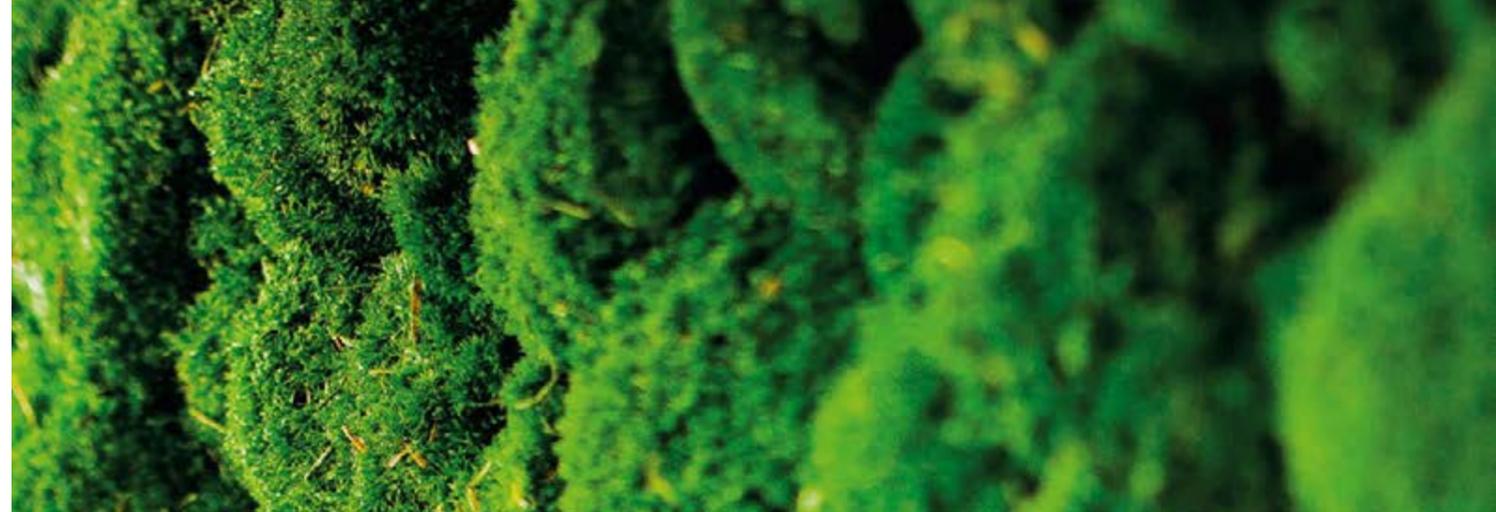
Greenhill Moss, customized moss logo for Spotify at the SPLASH Festival 2017, in cooperation with Gemeinsame Sache, Berlin, image: Stephan Flad



Greenhill picture circular, 47.24 inches (1.2 m) diameter, including the curved carrier material and aluminum frame, project/image: Verbände der deutschen Holz-, Möbel- und Fertigungsindustrie



Greenhill Moss, pictures and customized letters, lobby and meetings rooms, project: LEMKEN AGROFARM, implemented with Chantal Ostermann - Interior & Design and Carpentry Werk3, images: Andreas Schwarz for Freund GmbH



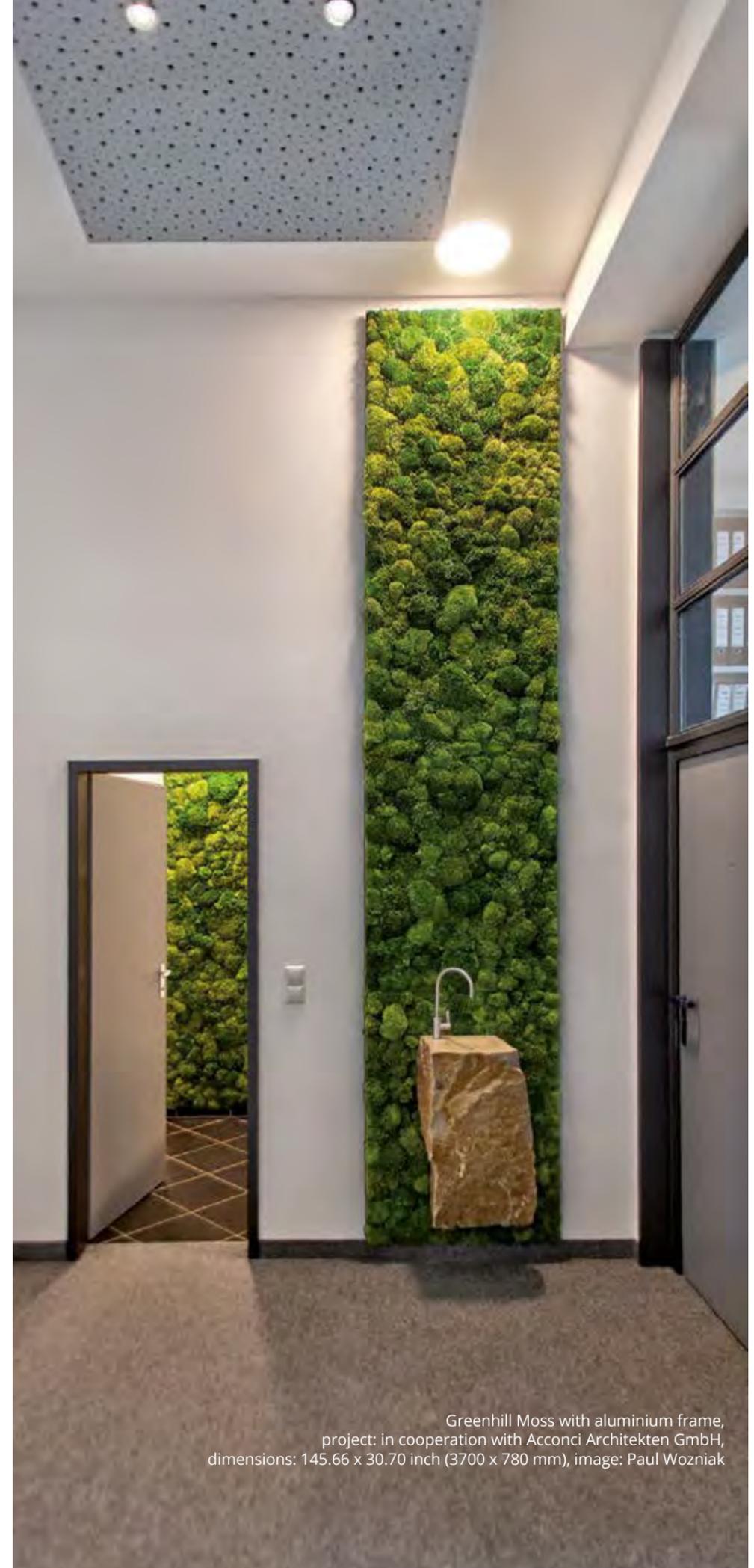
Greenhill Moss, big rectangle, dimensions: 70,87 x 19,69 inch (1500 x 500 mm) and small squared moss pictures, project: offices of Photostudio Meli Straub, images: Photostudio Meli Straub



Customized Greenhill Moss picture with wooden frame and logo, project: WEISSGLUT Restaurant, image: Fotografie Sommer



Customized Greenhill moss wall, dimensions: 98.43 x 137.79 inch (2500 x 3500 mm), project: offices of European headquarter CLINTON, Berlin Hoppegarten, in cooperation with Susanne Kaiser, image: Andreas Schwarz for Freund GmbH



Greenhill Moss with aluminium frame, project: in cooperation with Acconci Architekten GmbH, dimensions: 145.66 x 30.70 inch (3700 x 780 mm), image: Paul Wozniak



Round moss ceiling lamp  
with one luminous element,  
Diameter: ca. 1400 mm

## DECORATIVE MOSS LAMPS

**Brand new:** Together with our partner Peters Design we have refined moss as interior decor element.

The individual design objects combine natural material with unique lighting concepts.

Get a piece of nature in your spaces. Our moss lamps provide their natural moss texture for a soothing, comfortable atmosphere.

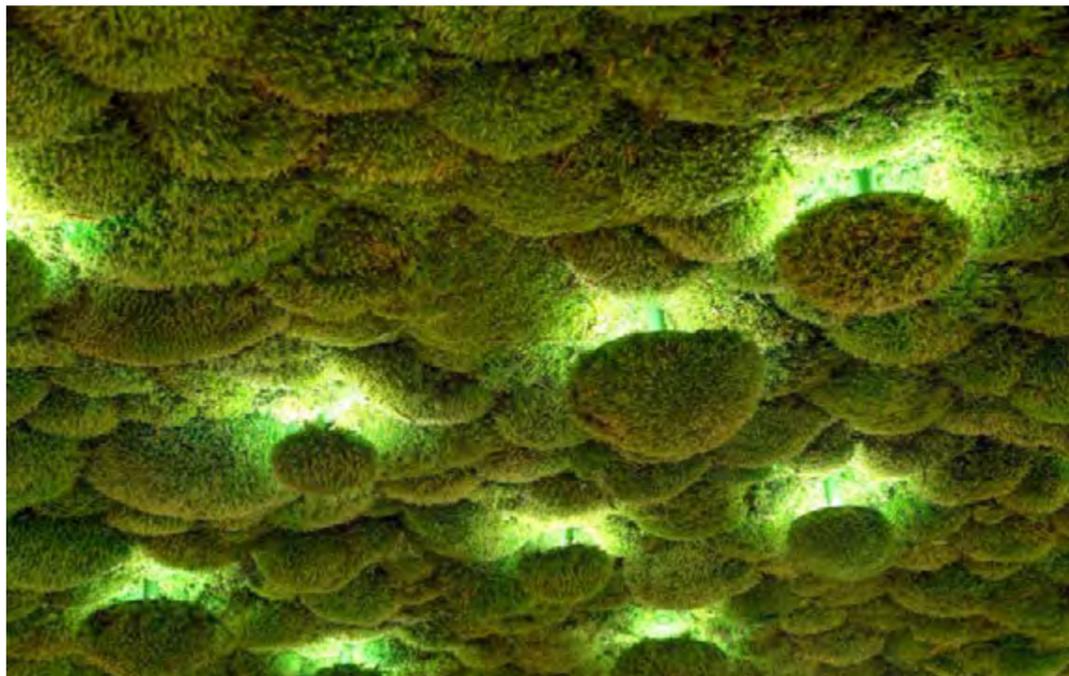
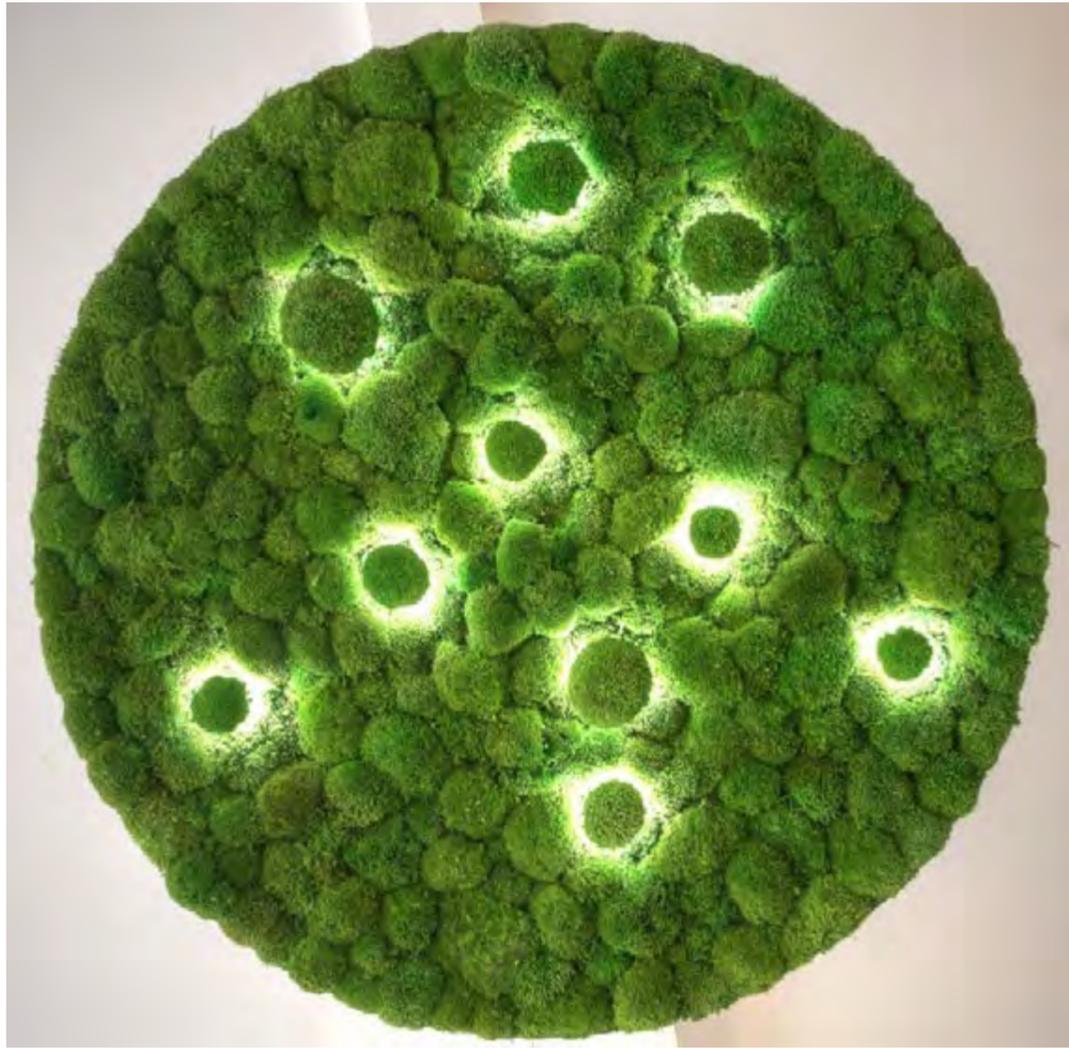
The green surface of the pendant luminaire is enhanced by selective accentuated lighting.

The moss surface is capable of absorbing sound in the immediate environment which is an important additional feature.

Further information is available at  
[www.moosleuchten.de](http://www.moosleuchten.de)



Decorative ceiling luminaire made of Greenhill moss, with integrated lighting element,  
Design and images: Freund GmbH & Peters Design



Decorative ceiling lamp made of Greenhill moss, with several integrated lighting elements, complete and detailed view, design and image: Freund GmbH & Peters Design



Moss pendants made of Greenhill moss, in various forms, design: Freund GmbH & Peters Design, image: Freund GmbH



Decorative ceiling lamp made of Greenhill moss, with integrated lighting elements, diameter: ca. 1400 mm, design and image: Freund GmbH & Peters Design

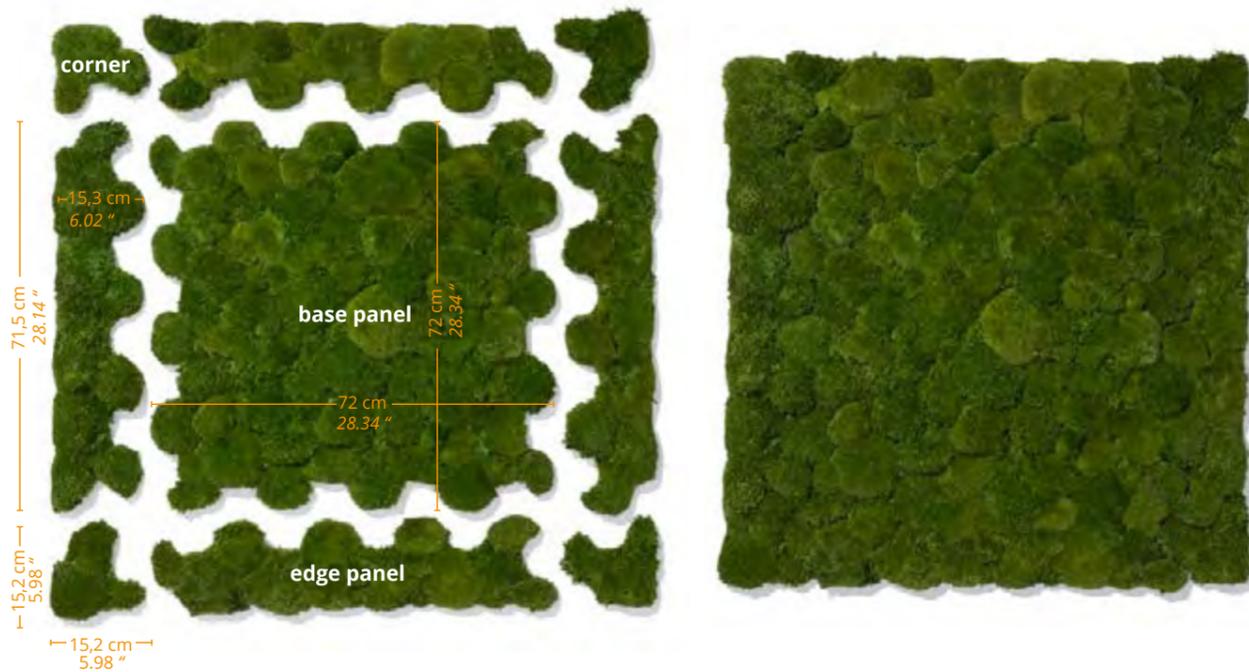


Close-up of centre panel Greenhill Puzzle,  
colour: moss green; image: KOMPE IMAGES for Freund GmbH

## GREENHILL PUZZLE: REINVENTING THE CUSHION MOSS PANEL

Experience has taught us that the Greenhill moss is one of our most sought-after products. The transition of the natural round shape, as well as the organic structure of the mosses, is often an issue on rectangular base panels, and may not be processed professionally. The creation of visible edges is not something we want to see in our products, which are supposed to appear natural.

We at Freund Moosmanufaktur worked on this issue for quite some time and came up with a new type of base panel, which allowed us to solve the problem of unclean-looking edges. We are proud to present the result of our hard work in our new product: **GREENHILL PUZZLE**.



Greenhill Puzzle, colour: moss green – base panel, edge panel and corners individually, image: KOMPE IMAGES for Freund GmbH

Greenhill Puzzle, colour: moss green – Elements joined, image: KOMPE IMAGES for Freund GmbH

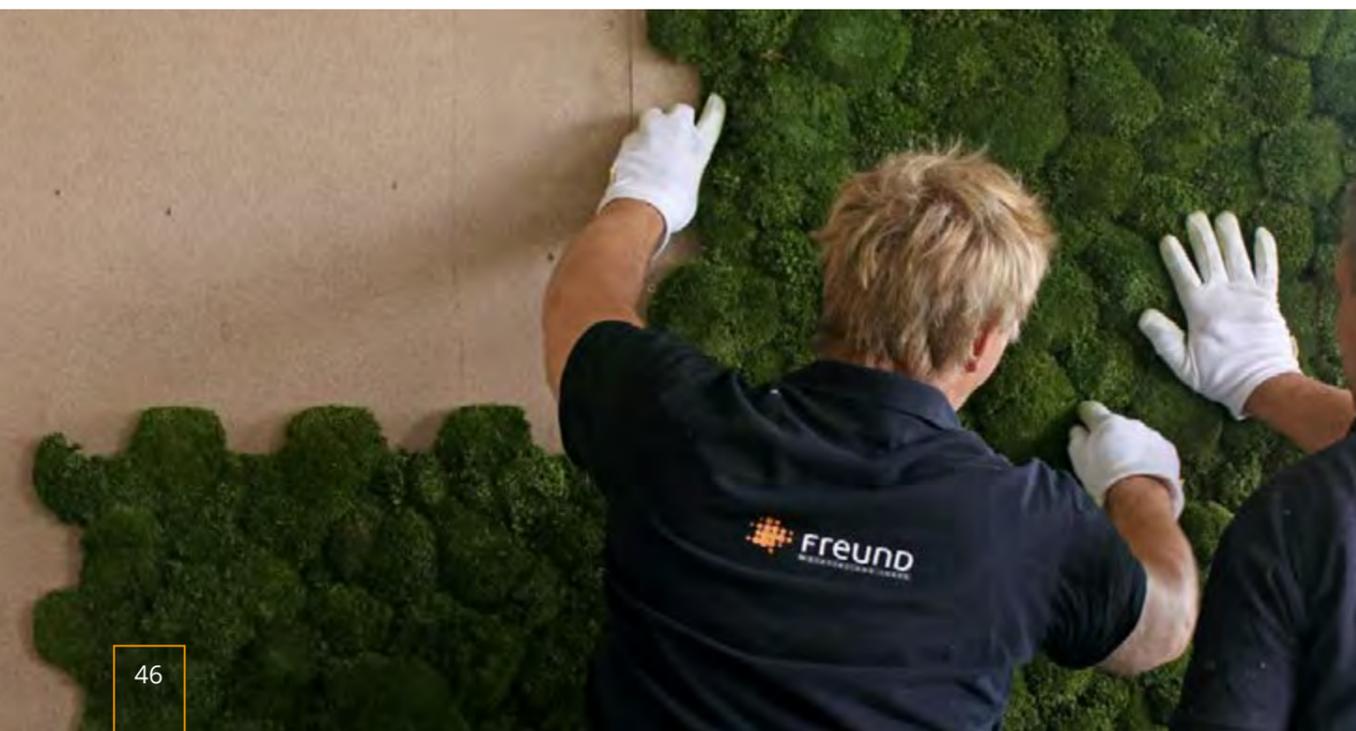
### THE PUZZLE SYSTEM

With this new Freund product, we pass on the added use as well as value to our clients and their projects without raising the price.

The **Greenhill Puzzle** conceals the cushion/bun moss, which is mounted on 5 mm (0.19 inch) strong MDF-panels. These are produced as systems and made up of base panels, edge panels and corners. Uniting the individual modules allows an assembly without visible edges or transitions.

### BENEFITS

- **No transitions: joint free installation of the puzzle system**
- **Swift assembly: installation of a 10 sqm (107.6 sq ft) surface in around 4 hours**
- **Colours: moss green and apple green**
- **Short delivery time in stock, thus, available**



ASSEMBLY TIME  
4 hours only  
PER 10SQM SURFACE

Showroom of Freund GmbH displaying a Greenhill Puzzle moss wall, size: approx. 10 sqm (107.6 sq ft) combined with a water wall, ergonomic office furniture by Fleischer Büromöbelwerk as well as tree sculptures by Peter Wagenonner

## THE ASSEMBLY: SWIFT AND EASY

The interlocking modules enable an effortless installation of the system. Please consult our installation guide for perfect results:



- 1 Always start the installation at the bottom (if needed with the help of a wooden strip) and work your way up, image: Freund GmbH



- 2 Utilise the help of another person during the installation; this allows one person to press the panels firmly against the wall while the other screws them tight, image: Freund GmbH



- 3 Ideally, the installation is carried out on a carrier panel. Keep an eye out for small gaps in the moss for placing the screws during the installation of our product, image: Freund GmbH

## TOOLS / PREPARATION:

- Gloves
- Cordless screwdriver
- Screws (length varies depending on the underlying surface/substructure)
- Yardstick or measuring tape
- Spirit level for correct alignment



If you want a moss wall design that cannot be divided according to the number of modules, it is possible to cut the edges as desired. For this, we recommend using

- Safety glasses
- Hand-held circular saw with guiding rail
- Cutter for post-processing



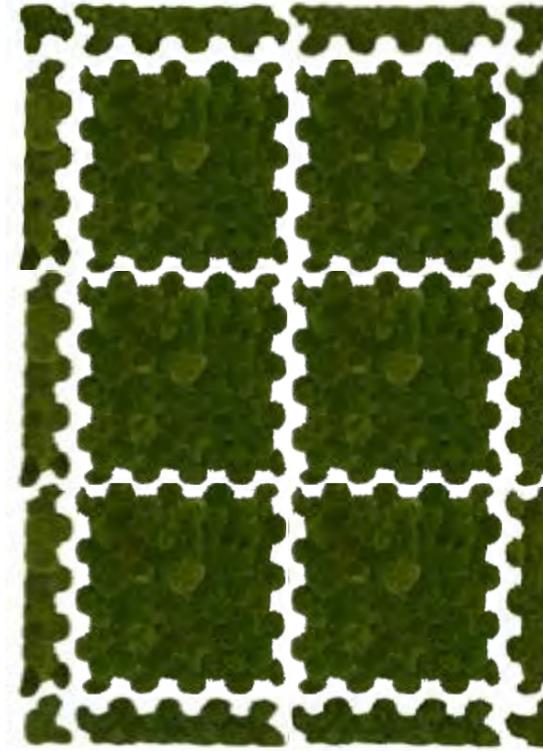
For more information about the installation, please visit our website:  
[www.freund-moosmanufaktur.de/en](http://www.freund-moosmanufaktur.de/en)

images: KOMPE IMAGES for Freund GmbH

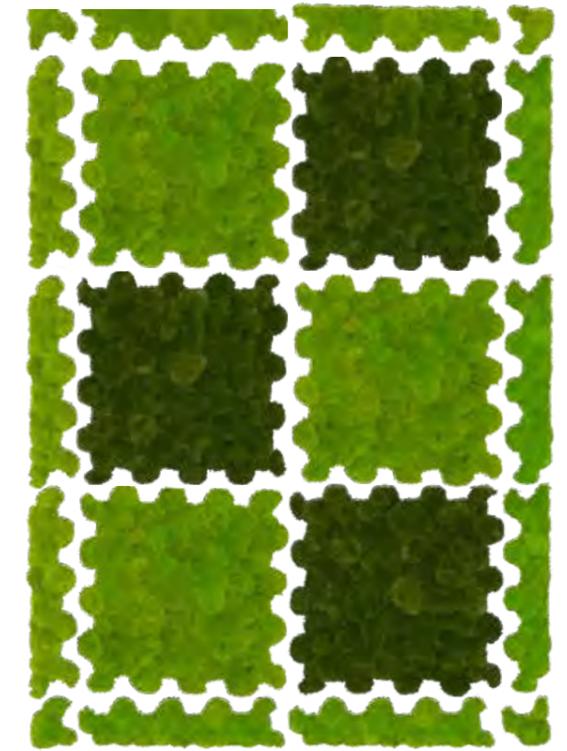
## EXPAND AND COMBINE INFINITELY

The custom-fit serration of the three puzzle types, **base panel**, **edge panel** and **corner** allow a smooth and seamless installation

of moss pictures or moss walls. This design allows for an infinite modular expansion of the moss surface.



Visualisation moss surface system, colour: moss green, images: KOMPE IMAGES for Freund GmbH



Visualisation moss surface system, colour: moss green and apple green mixed, images: KOMPE IMAGES for Freund GmbH

## ALSO AVAILABLE IN APPLE GREEN

The system is available in the colours moss green and apple green.

The colours can also be mixed since all the modules are compatible with each other.

Please note that this achieves a puzzle piece effect since the edges will then become visible.



Greenhill Puzzle panel, colour: apple green, image: KOMPE IMAGES for Freund GmbH



## GREENWOOD MOOS

### MOSS PICTURES AND MOSS WALLS

Greenwood is a line of moss pictures and walls made of real, low-growing forest moss. These mosses are cleaned before processing and preserved in a special process. They do not need light or care and are therefore ideally suited for decorating indoor rooms.

Greenwood invites you to breathe deeply and makes the viewer feel calm. The green forest moss pictures and walls can have either a flat or contoured surface and can be combined with other materials.

As shown with our products **Greenwood Extra** or **Greenwood Jungle**, the addition of wood pieces, plants or stone elements creates interesting three-dimensional woody landscapes that give every room an individual and fascinating character

Greenwood 2D: with a laterally offset moss frame, Kaisergarten Hotel & Spa breakfast rooms, Deidesheim, images: [www.ralfwenske.de](http://www.ralfwenske.de)



Greenwood Moss 3D, project: Grüner Salon, format according to architect's layout, dimensions: H x W x D: 86.61 x 149.60 x 11.81 inch (2200 x 3800 x 300 mm), image: Freund GmbH



Greenwood Extra 3D with preserved plants, palm leaves, and cushion/bun moss, dimensions 98.42 x 189 inch (2500 x 4800 mm), project: European headquarter CLINTON, Berlin Hoppegarten, in cooperation with Susanne Kaiser, image: Andreas Schwarz for Freund GmbH



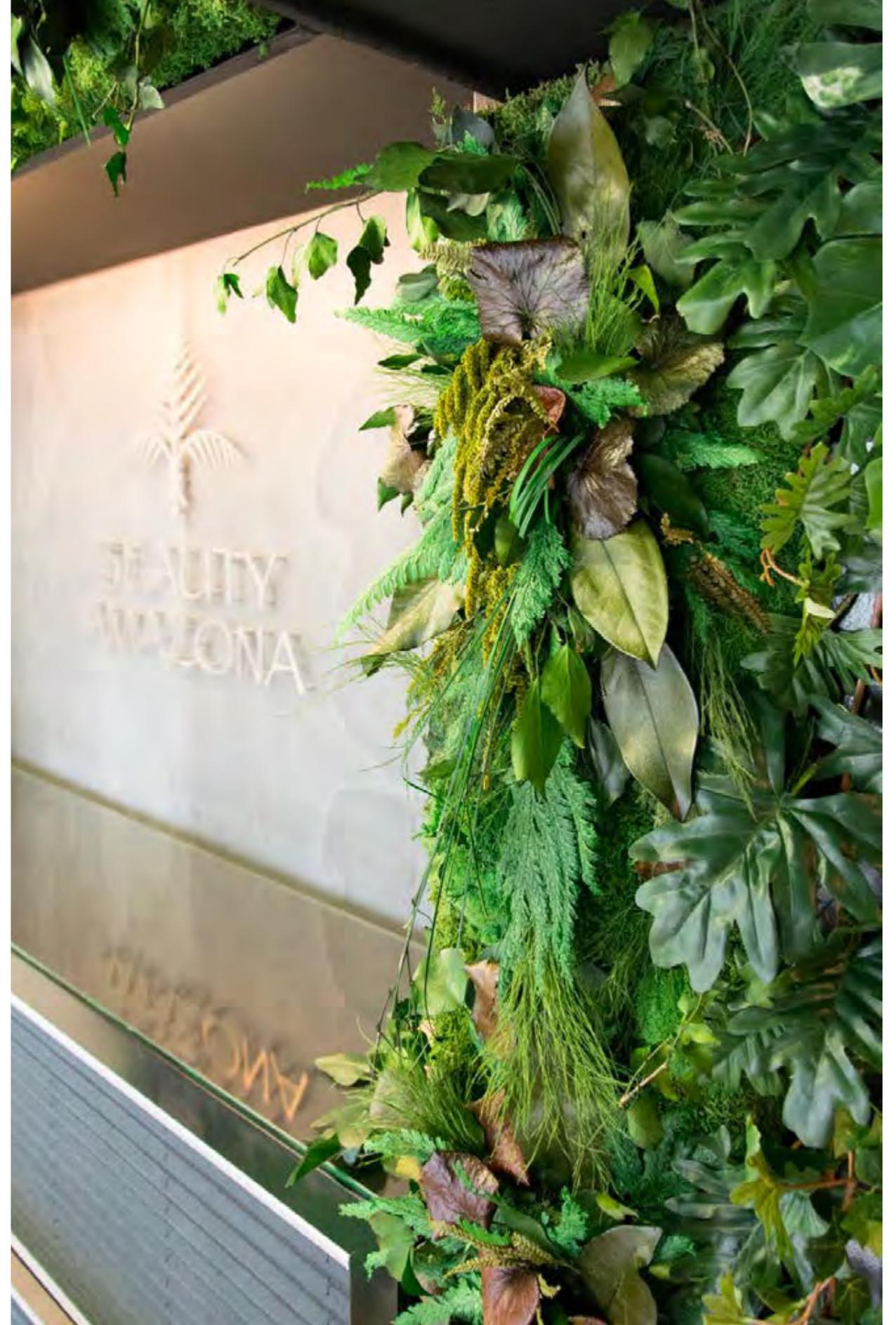
Greenwood "The floating moss wall" with ivy, Schüco at the BAU Construction Fair, Munich 2013 in collaboration with Koolhaas Booth Construction GmbH & Co. KG, images: Freund GmbH



Greenwood Moss in 3D, project: floor made of naturally preserved forest moss with moss-covered tree stumps, combined with old wood, project: Rössle & Wanner Flagshipstore Berlin, image: Rössle & Wanner



Greenwood Jungle, project: Greenhouse, ZAL – Center of Applied Aeronautical Research, in cooperation with Nuid Hamburg, STUDIO ROBERT BETZ, image: Ralf Kornmann



Greenwood Jungle, project: Beautysalon Amazona, in cooperation with eco walldesign, image: Stefan Roordink



Live Panel plant wall, indoor

## LIVEPANEL

### PLANT WALLS

The living plant walls LivePanel transform simple facades and interior walls into fresh, green oases. The plant walls enrich the atmosphere with oxygen and moisture and thereby create a healthy and performance-enhancing room climate. The plant wall is the “big brother” of our plant pictures and is designed to last for many

years thanks to its fully automated supply of water and nutrients.

We are happy to advise you in your choice of plants and, together with our florists, we will create your custom-tailored living plant wall for your next project.



Live Panel as roof planting, at the IGA Berlin 2017, image: Hermann Haubrich, [www.hhaubrich.de](http://www.hhaubrich.de)



Live Panel with fully automated irrigation, project: Clinton, in cooperation with Architekturbüro Kaiser, dimensions: 7000 x 2000 mm, image: Andreas Schwarz für Freund GmbH



Live Panel plant wall, outdoor, project: outside wall of the building at Glogauer Straße, Berlin

# PRODUCT INFORMATION GREEN



## EVERGREEN PREMIUM

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS

Material	
Real moss laminated onto an MDF carrier board or vaulted ground (PREMIUM: double-attached to carrier)	
Sizes	
Always in custom-fit dimension, maximum partial sizes of 1000 x 600 mm for cost-optimised transport, custom sizes upon request	
Colours	
Standard colours: Moss green, apple green, forest green plus special colours (see p. 13)	
Freeforms	
Freeforms 2D and 3D installations are possible	
Uses	
Wall and ceiling design, room partition and furniture and object design	
Examples	
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms	

Technical Information	
  	
Thickness	Initial thickness of 70 – 100 mm incl. carrier board (10 mm, black)
Weight	10 – 12 kg per m <sup>2</sup> (moss incl. MDF carrier board)
Fire Rating	B1 certified panels upon request, standard: B2
Acoustics	Up to 90% sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed directly to the wall on existing constructions or panels.
Delivery time	Approx. 3 – 5 weeks



## MOOSGREEN FLEXIBLE

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS

Material	
Real moss laminated onto a flexible carrier board, single mount	
Sizes	
380 x 580 mm, custom sizes upon request	
Colours	
Standard colours: Moss green, apple green, special colours (see p. 13) possible on request	
Freeforms	
Freeforms 2D and 3D installations are possible	
Uses	
Wall and ceiling design, room partition and furniture and object design	
Examples	
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms	

Technical Information	
  	
Thickness	Initial thickness of 50 – 70 mm incl. the carrier board (3mm HDF, flexible)
Weight	approx. 6,5 – 8 kg per m <sup>2</sup> (moss incl. carrier)
Fire Rating	Panels: B1 certified panels upon request, standard: B2, felt carrier: B1 certified
Acoustics	Up to 90% sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed or glued directly to the wall on existing constructions or panels.
Delivery time	Approx. 1 – 3 weeks



## GREENHILL

MOSS PICTURES, MOSS WALLS, MOSS COLUMNS, MOSS OBJECTS

Material	
Real cushion / bun moss laminated onto a MDF carrier board	
Sizes	
Standard : Standard sizes: 1000 x 600 mm and custom sizes upon request Elements can be combined over large areas	
Colours	
Moss green (standard), apple green (special colour)	
Freeforms	
Freeforms 2D and 3D installations are possible	
Uses	
Wall and ceiling design, room partition and furniture and object design	
Examples	
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms	

Technical Information	
  	
Thickness	Initial thickness of 40 – 70 mm incl. carrier board (10 mm)
Weight	Approx. 12 kg per m <sup>2</sup> (moss incl. MDF carrier board)
Fire Rating	B1 certified panels upon request, standard: B2
Acoustics	Sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed directly to the wall on existing constructions or panels.
Delivery time	Approx. 3 – 5 weeks



## GREENHILL PUZZLE

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS

Material	
Real cushion / bun moss laminated onto a MDF carrier board as puzzle system - consisting of base panels, edge panels and corner	
Sizes	
Standard: base panel: 72 x 72 cm edge panel: 15,3 x 71,5 cm corner: 15,2 x 15,2 cm  Elements can be combined over large areas. Seamless installation allows for an infinite modular expansion	
Colours	
Moss green, apple green	
Uses	
Wall and ceiling design, room partition and furniture and object design	
Examples	
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms	

Technical Information	
  	
Thickness	Initial thickness of 40 – 70 mm incl. HDF carrier board
Weight	Approx. 5,5 kg per m <sup>2</sup> (moss incl. MDF carrier board)
Fire Rating	B1 certified panels upon request
Acoustics	Sound-absorbent
Assembly	Seamless mounting due to puzzle system.  The panel elements can be screwed directly to the wall on existing constructions or panels. Recommendation: wooden base (or similar)
Delivery time	Approx. 1 week

# PRODUCT INFORMATION GREEN (CONTINUED)



## GREENWOOD

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS  
MOOS FLOORINGS

Material
Real forest moss laminated on MDF carrier board with hill options (3D)
Sizes
On customers requirements, special sizes on request
Colours
Green forest moss
Optional additions
Flat moss with single thicker forest moss parts or applied hills made of styrodur and cork (3D)
Free forms
2D and 3D installations possible
Uses
Wall and ceiling design, room partition and furniture and object design
Examples
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms



## GREENWOOD EXTRA

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS

Material
Real forest moss laminated on MDF carrier board with hill options (3D), supplemented by individual ferns, branches and cushion moss
Sizes
On customers requirements, special sizes on request
Colours
Base: green forest moss (Greenwood)
Version Extra
One plant island per square meter of moss area is used, consisting of three hills of bun / cushion moss, individual ferns, and branches
Free forms
2D and 3D installations possible
Uses
Wall and ceiling design, room partition and furniture and object design
Examples
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms



## GREENWOOD JUNGLE

MOSS PICTURES, MOSS WALLS, MOSS OBJECTS

Material
Real forest moss laminated on MDF carrier board with hill options (3D), supplemented by preserved plants individually as specified
Sizes
On customers requirements, special sizes on request
Colours
Base: green forest moss (Greenwood)
Version Jungle
Dense jungle look – individual plant selection according to customer's wishes
Free forms
2D and 3D installations possible
Uses
Wall and ceiling design, room partition and furniture and object design
Examples
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms



## LIVEPANEL PLANT WALLS

Material
Fully automated plant walls with or without integrated irrigation system
Sizes
Depends on project
Plant types
Tropical plants
Uses
Wall design, room separation, exterior facades
Examples
Office design, home design, exhibition design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information   	
Thickness	Initial thickness of 20 – 50 mm incl. thin carrier board (10 mm)
Weight	Approx. 10 kg per m <sup>2</sup> for 2D, approx. 16 kg per m <sup>2</sup> for 3D (moss incl. carrier board)
Fire Rating	B1 certified panels upon request, standard: B2
Acoustics	Sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed directly to the wall on existing constructions or panels.
Delivery time	Approx. 3 – 5 weeks

Technical Information   	
Thickness	Initial thickness of 20 – 50 mm incl. thin carrier board (10 mm)
Weight	Approx. 15 kg per m <sup>2</sup> for 2D, approx. 20 kg per m <sup>2</sup> for 3D (moss incl. carrier board)
Fire Rating	B1 certified panels upon request, standard: B2
Acoustics	Sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed directly to the wall on existing constructions or panels.
Delivery time	Approx. 3 – 5 weeks

Technical Information   	
Thickness	Initial thickness of 20 – 50 mm incl. thin carrier board (10 mm)
Weight	Depends on choice of additional preserved plants
Fire Rating	B1 certified panels upon request, standard: B2
Acoustics	Sound-absorbent
Assembly	Self-assembly is possible with the help of our fixing strips and frame systems. The panel elements can also be screwed directly to the wall on existing constructions or panels.
Delivery time	Approx. 3 – 5 weeks

Technical Information   	
Thickness	300 mm deep, with a 150 mm high irrigation system in the base
Weight	Depends on project
Fire Rating	B1
Acoustics	Sound-absorbent
Assembly	Assembly included in the quote (excluding lamps)
Delivery time	Depends on project; delivery times available upon request (at least 6 – 7 weeks)

# NATURE



Poplar bark for ceilings and walls, project: Restaurant MUN, Munich,  
image: Andreas Schwarz for Freund GmbH

## NATURAL PRODUCTS FOR ROOM DESIGN

The way in which we use natural materials in our product line NATURE is a statement.

Leather-covered walls and floors, elements made from aged reclaimed timber and the singular sensation of poplar, cork and birch bark convey a sense of grounding and stability. On the other hand, they are also an expression of individuality, exclusivity and aesthetics.

There is one thing our product line NATURE always communicates: quality at the highest level. The use of leather on floors, reprocessed antique wood and the integration of wood sculptures in a modern living space convey a feeling of comfort and well-being.



Poplar bark as wall covering, project: offices in the depot of LUXTRAM, Luxembourg-Kirchberg, realized in cooperation with interior designer Christiane Besch (Forum a.i.), image: Raoul Somers



Poplar bark, premium panels, detailed view  
Entire panels are highly limited, prices on request



## POPLAR BARK

### UNIQUE PIECES FOR WALL CLADDING

With the bark of the poplar we are adding another natural product to our product collection NATURE.

The poplar is a willow tree and can grow up to 30-45 meters tall. Particularly tall trees have developed a thick protective bark of up to 4 cm thickness (premium version), smaller trees have a flat bark structure of up to 2 cm

(standard version). After being processed the bark is used as a whole piece and not adhered to other supporting elements and is therefore suitable for both indoor areas and facades.

Every sheet is unique.

The poplar bark, a product of our partner Barkhouse, was the first product to be awarded with the Cradle to Cradle Platinum certificate – and the reasons for that are very clear: This biological raw material transforms from a previously unused by-product of the furniture industry into an elegant handmade wall covering and is completely recyclable at the end of its life. In addition to the use of renewable energies and sustainable

CO<sub>2</sub> management, other key factors include sensible use of water resources and social fairness towards employees.

With the Cradle-to-Cradle (platinum) certified shingles of poplar bark you acquire a quality product with a holistic approach and the striving for a healthier environment.



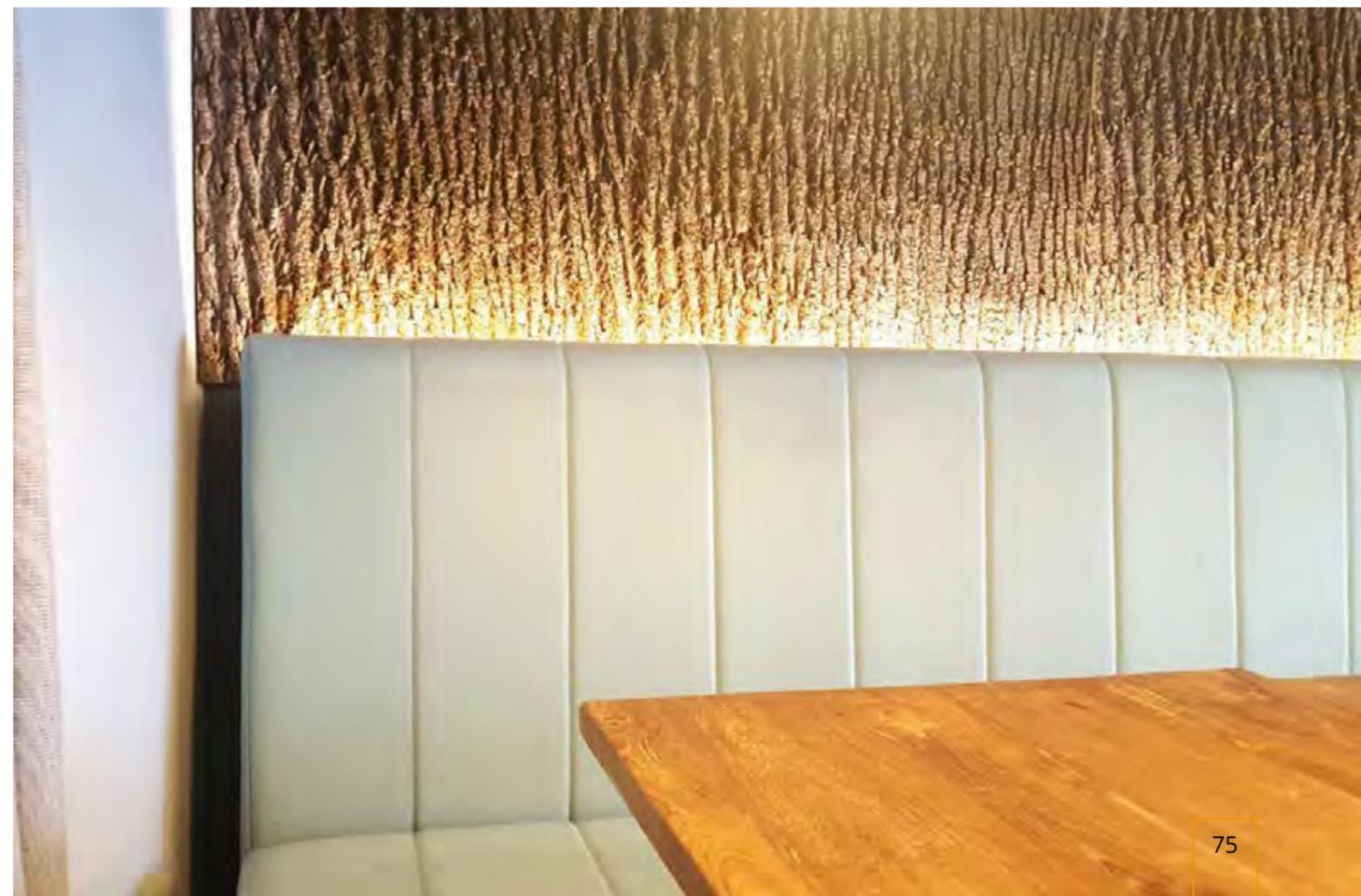
Poplar bark wall covering, project: Restaurant, Tea Shop in Seoul, South Korea



Poplar bark, premium shingles, as natural wall design



Poplar bark as wall covering, project: Restaurant VINT, realized with Gabriel Santos planung + design

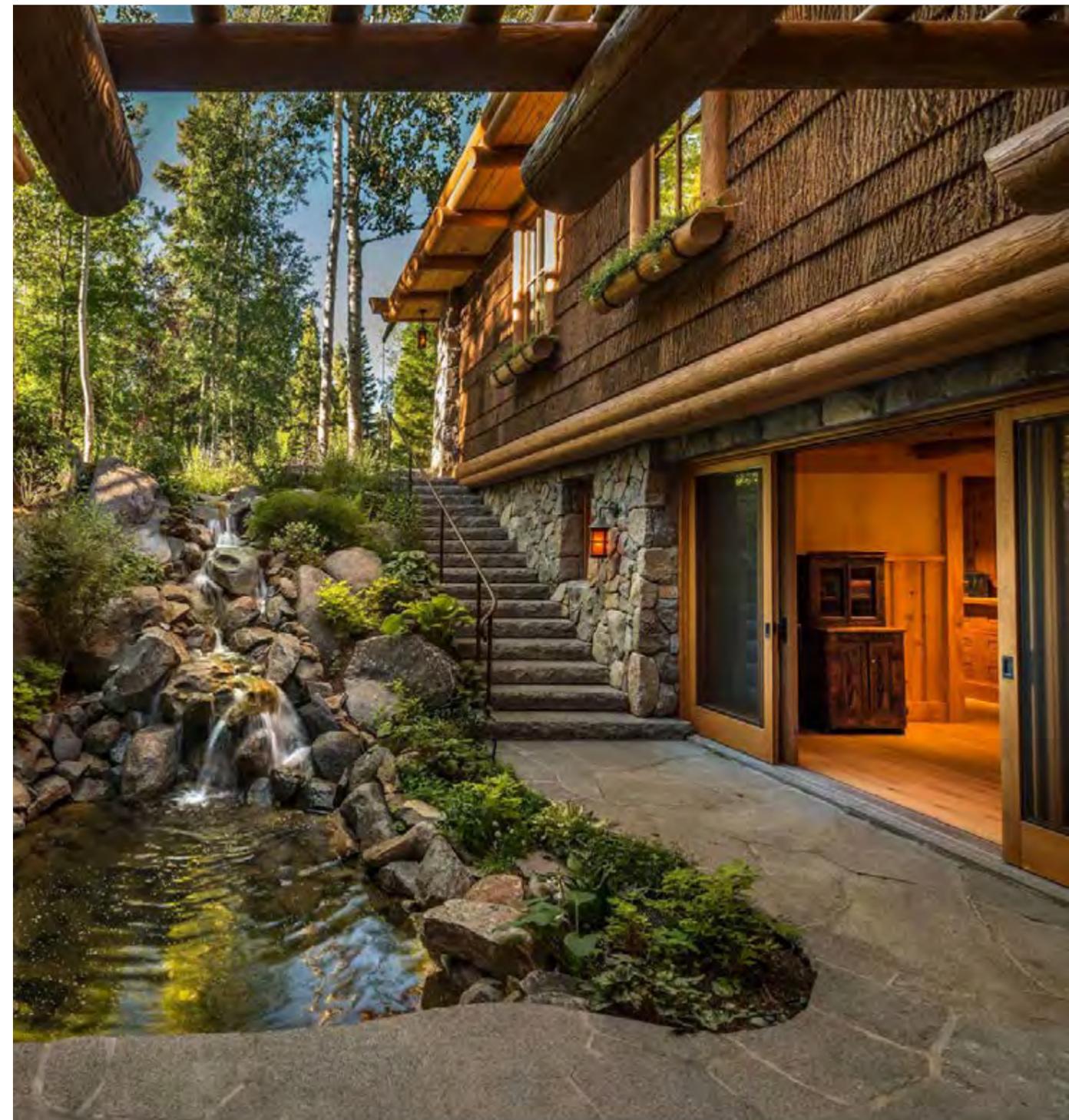




Poplar bark, premium shingles,  
project: Seehotel Wiesler, design and realisation: arsinteria.de,  
images: Foto-Leofa, Titisee-Neustadt



Poplar bark, premium shingles for outdoor use



Poplar tree bark, premium shingles for facade application

## CORK TREE BARK

### CORK PICTURES AND WALLS

Our natural cork tree bark has a rough, contrasting surface texture on which wind and weather have left their traces. Natural colour tones vary between light and dark brown.

Astonishing colour variations can appear through our refinement with different lacquers.

We use the bark of the cork tree to cover walls and other surfaces. It creates a pleasant room climate and has good insulation properties.

The panels are available in the format (L x W) 900 x 600 mm with a material thickness of 20 - 30 mm and provide for a natural interior design.



Cork tree bark natural, image: whole panel



Cork tree bark gold, image: whole panel



Cork bark, project: Birkenstock, trade fair stand



Cork bark, wall designs



Cork bark wall design for Osisoft, in cooperation with Unionzeiss Frankfurt



Cork bark, project: Hotel Jungbrunn - Das Alpine Lifestyle Hotel, Tannheim, Tyrol Austria, image: Petra Stadler

## BIRCH TREE BARK

### BIRCH PICTURES AND WALLS

In many old cultures, the birch is a sacred tree that is said to have many health-enhancing properties. Its slender and graceful shape, enveloped by white bark, is its hallmark.

Birch bark has been popular with artisans for centuries because of its characteristic texture as well as its suppleness and leather-like flexibility.

The surface is carefully removed and turned into panel elements in two formats 480 x 480 mm or 480 x 780 mm.

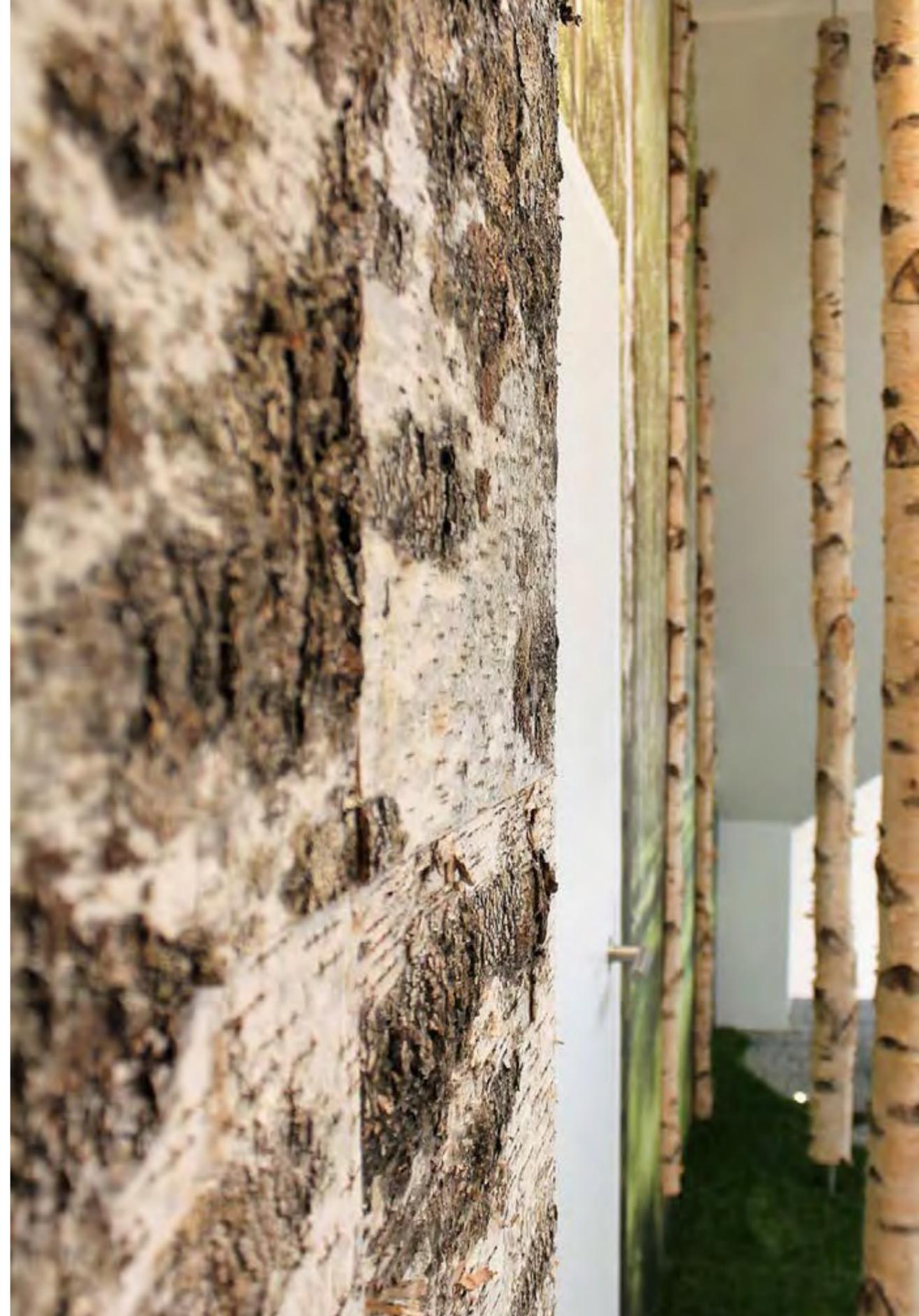
Their simple handling also allows the cladding of walls and the production of pictures from real birch bark.



Birch tree bark as wall cladding, project: Interior Design - Andreas Stoellger - Düsseldorf, BV. Hölderle-Carré Apotheke Caunes



Birch tree bark, size 480 x 480mm, image: whole panel



Birch bark as wall decoration at the Connect Sense offices, image: Meik Terrahe



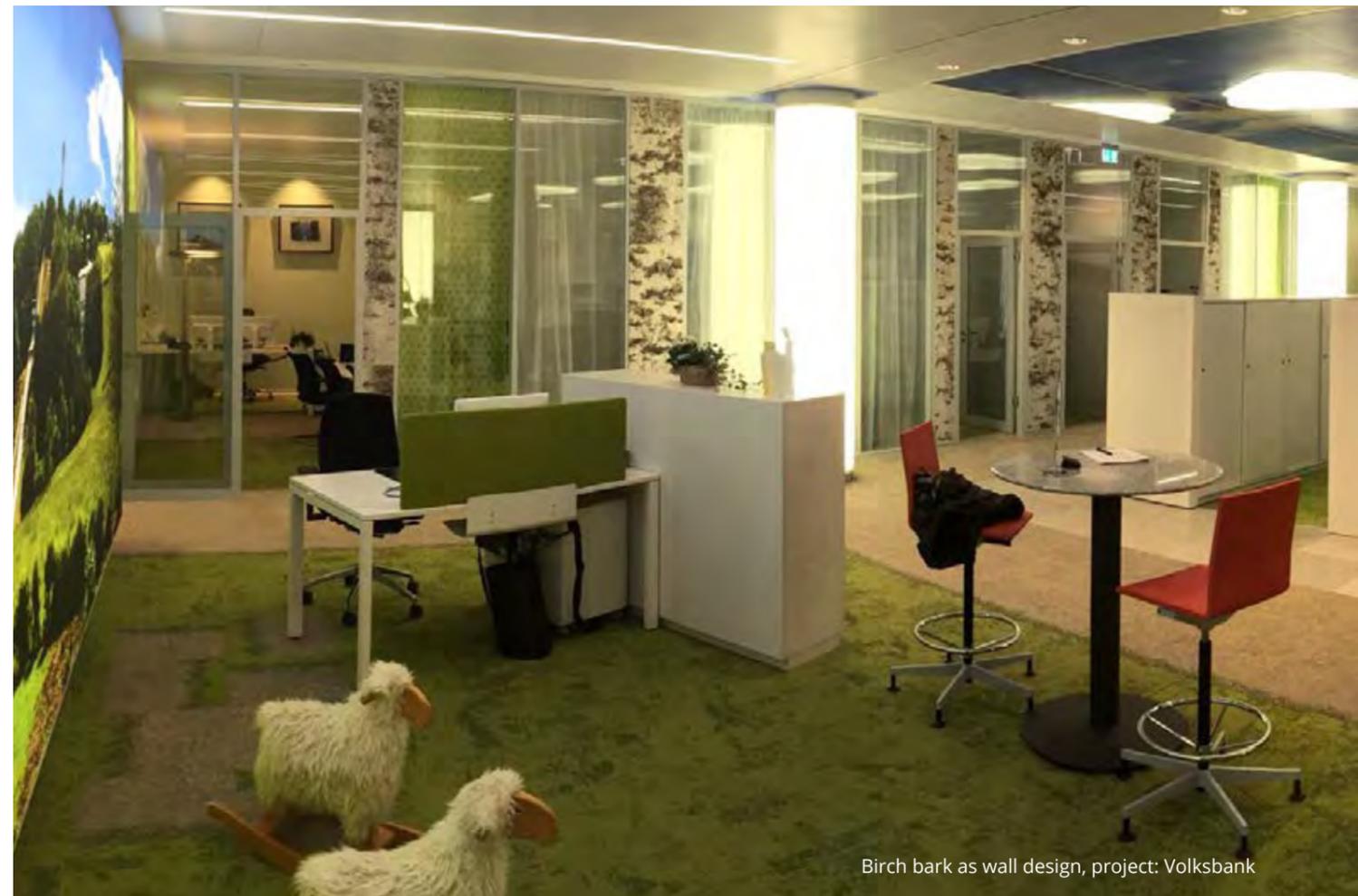
Birch tree bark, detail



Wall picture made of birch tree panels, project: Sportstudio Füssen, in cooperation with Petra Schaffarzik



Wall design made of real birch bark, applied to multiplex panels, in collaboration with ARTI Möbel Interieur Einrichtungen GmbH



Birch bark as wall design, project: Volksbank



## LARCH TREE BARK

### LARCH BARK PICTURES AND WALL

In ancient times, the larch was considered a „sacred tree“ in both faith and tradition. Until into modern times it was believed that they existed protection against evil, like witches or fire.

Larch wood has been a popular material for house building for a long time - not only in mountain regions. Its high resin content makes it particularly wind- and weatherproof. This is why it is very often used in the form of roof shingles.

The bark of European larches is popular for a very special interior design. The up to 100 mm

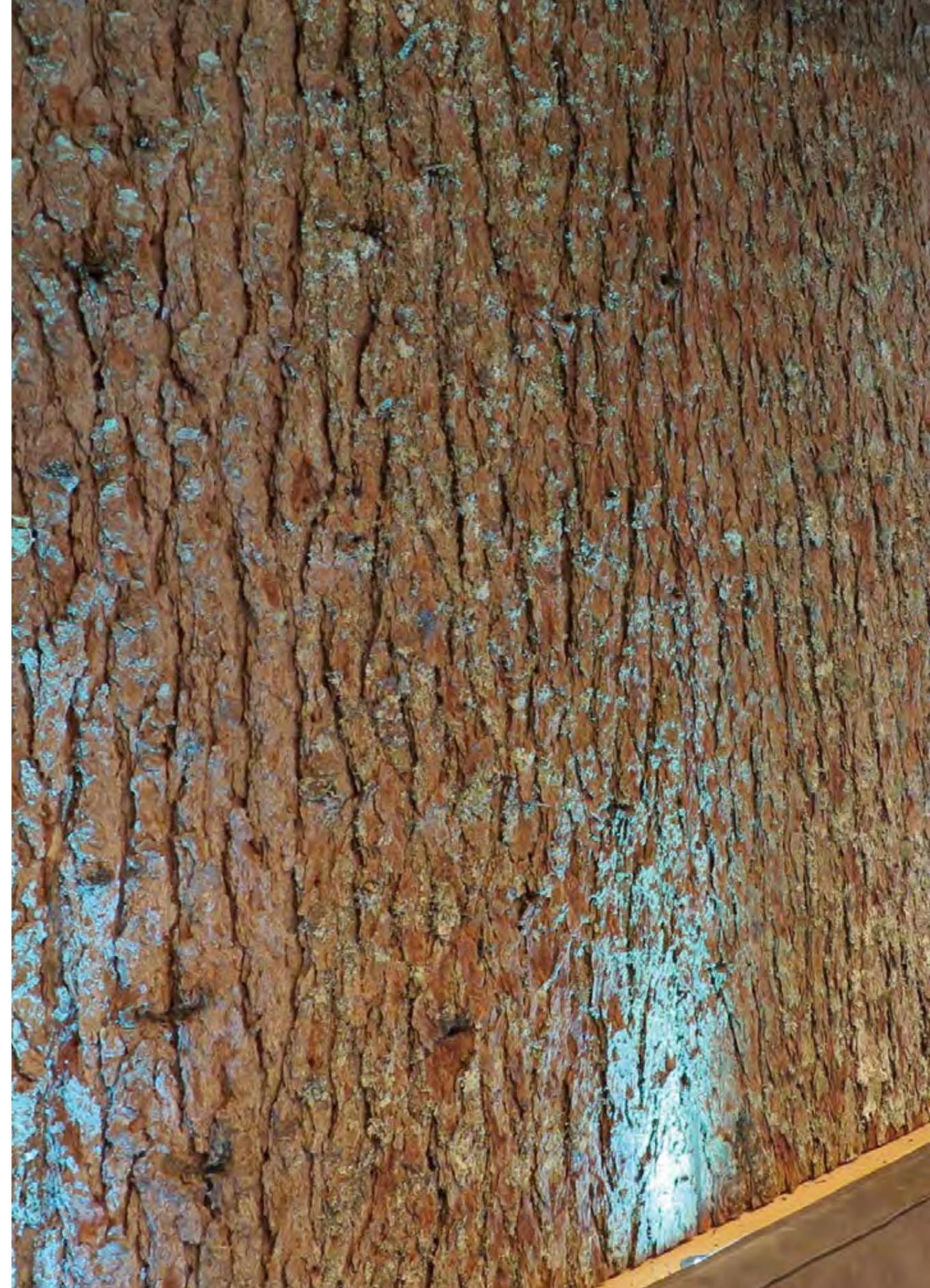
thick bark has an earthy reddish-brown character and is interspersed with deep ruts.

Carefully removed from trees (intended for furniture and house construction) and applied to plywood panels, it impresses with its unique appearance.

In this form, it lends rooms with a clear design a natural antipole, thanks to the warmth and radiance of the untreated surfaces. This creates an extremely calming effect with a naturally forest scent experience.



Larch tree bark as wall covering,  
project: Object Maria Alm



Larch tree bark as wall covering  
combined with blue lighting, project: Object Maria Alm



Larch tree bark as wall covering, project: Object Maria Alm



Surface structure of larch tree bark, details



Wall cladding made of larch bark as a highlight of a modern kitchen, project: Private house Goldegg

## NEW: DESIGNER LAMINATE PANELS WITH REAL BARK SURFACE

### BARK PANELS OF WHITE AND YELLOW BIRCH AND WEYMOUTH PINE BARK

From complete wall and ceiling cladding to coverings for doors and furniture to spectacular exterior façade designs, we offer all of our bark and wood bark laminates in tailor-made solutions (panels: max. W x H 1.22 m x 3.66 m) according to your special requirements.

The barks which have been dried by our partner Barkhouse and are free of insects. Their precise edges make installation simple and easy. The materials are used in both commercial and residential areas. The styles range from modern to rustic.

Wall claddings made of **white birch bark** create an ambience of charm and elegance in every room.

Its bark is reminding of calk with its white character and has isolated black branch scars and black scaled spots. The material gives rooms Nordic clarity and brightens them. The colour promotes light refraction when this is desired.



Wall panels made of white birch bark used in private rooms



White birch bark used für shop design



Office design with white birch bark in the reception area



Kitchen cupboards with Weymouth pine cladding



The reddish-brown bark of the **Weymouth pine** with its isolated green lichen speckles and small adhesions looks particularly luxurious and elegant on the wall.

Their leather-like appearance gives rooms a pleasantly warm and very cozy atmosphere.



Wall-cladding made of Weymouth pine

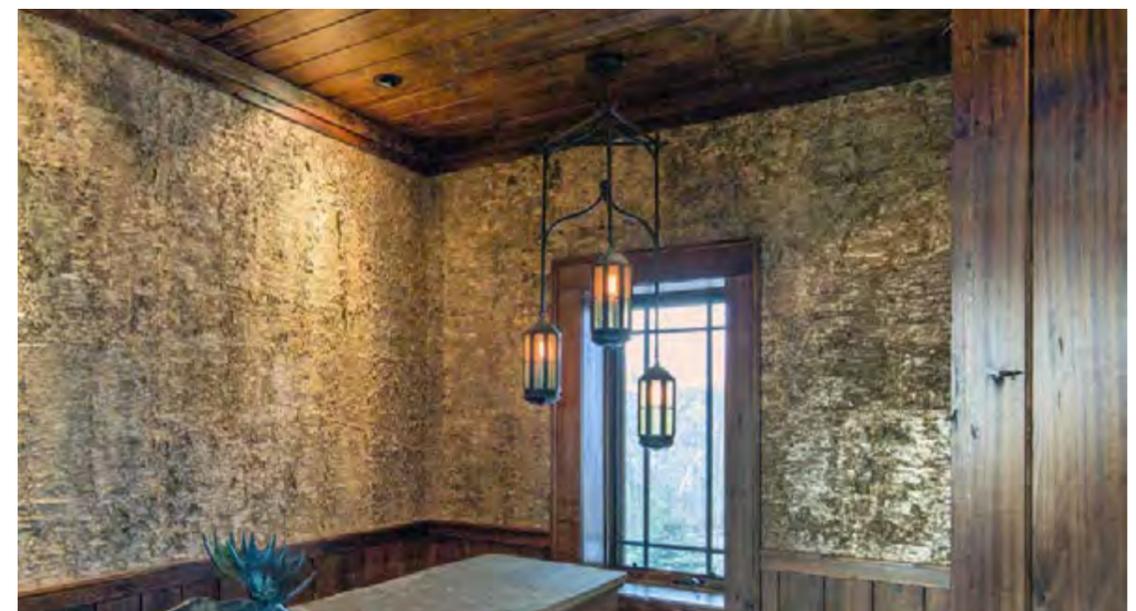


Yellow birch panels as a visual highlight in designer shops

The **yellow birch** has a warm golden glow with a hint of bronze and an unusual, individual, torn appearing surface structure.

Applied as wall covering in objects, the natural texture provides a impressive depth with 3D illusion.

Whether in public spaces – such as shops or at trade fairs – or in living rooms: the result invites you to linger.



Shimmering bronze interior with yellow birch panels



Peter Wagenonner, tree sculpture in the showroom Biogena Vienna

## THE COMPANIONS

### TREE SCULPTURES AND OBJECTS

The works of Peter Wagenonner are particularly dear to us. Whether modelled wood sculptures, elegant spheres made from tree roots or whole trees, each object is unique.

Peter Wagenonner senses the individuality of the wood and the way it has grown and then carves these out. "We have to observe the available space very carefully, in order to 'plant' a tree in a room, but a correctly sized piece from outside can create a very invigorating effect through the resulting contrast", says Peter Wagenonner.

The sculptures of Peter Wagenonner, especially the tree shells, illustrate through form and shape what happened to the trees – the years in which they could grow quietly and strongly, those in which they suffered and the forces that formed them.

The artist exposes these shapes and shows the powerful character of the tree, emphasizes the distinctive and dominant scars that marked an individual like the paths of a human's life.



Peter Wagenonner, "Orangery"  
0507-1631, photo: Erich Malter  
The highest tree sculpture in the orchard is 4.10 m high



Peter Wagenonner, Exhibition "Skin and shell",  
Burghausen 2012, photo: Thuringer "Cheerful nature"  
Poplar leaves on iron stems



SKUL Wuchsform I, image: Thuringer



SKUL Näther, image: Thuringer



SKUL 41



SKUL 043, family



SKUL 057 tree stumps, dancing



SKUL 089 hull on metal feet, Asbach, image: Becker



SKUL 164 three jars of walnut tubers b, image: Georg Thuringer



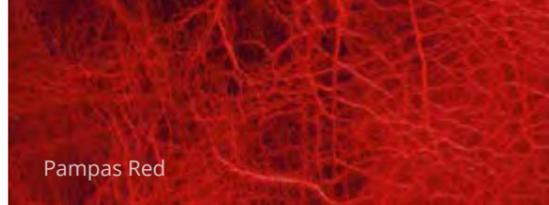
SKUL 107 cum tatent clamant



The companions,  
installation in a staircase



Surrounded by his sculptures: artist Peter Wagensoener



Pampas Red



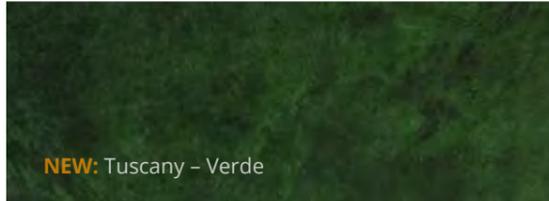
Tundra Off Black



Pampas Grey



Tundra Chocolate



NEW: Tuscany - Verde



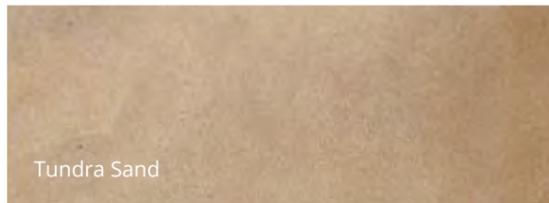
Tundra Clay



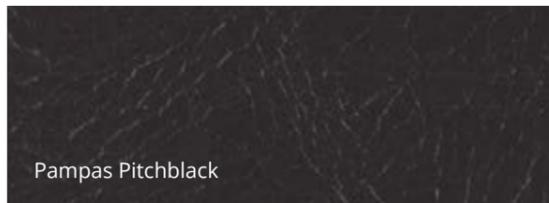
Tundra Grey



Tundra Titanium



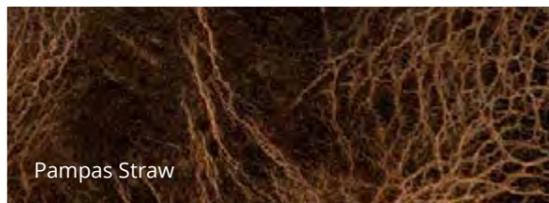
Tundra Sand



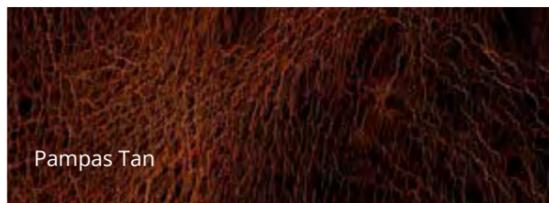
Pampas Pitchblack



Pampas Moro



Pampas Straw



Pampas Tan

## LEATHER

### LEATHER FLOORS AND SURFACES

We use the highest grade cow and buffalo leather for our particularly exclusive surface coverings. This 2 – 3 mm thick leather is gently caressing but still robust. Leather is one of the most comfortable floor coverings in the world and can also be combined with a floor heating system.

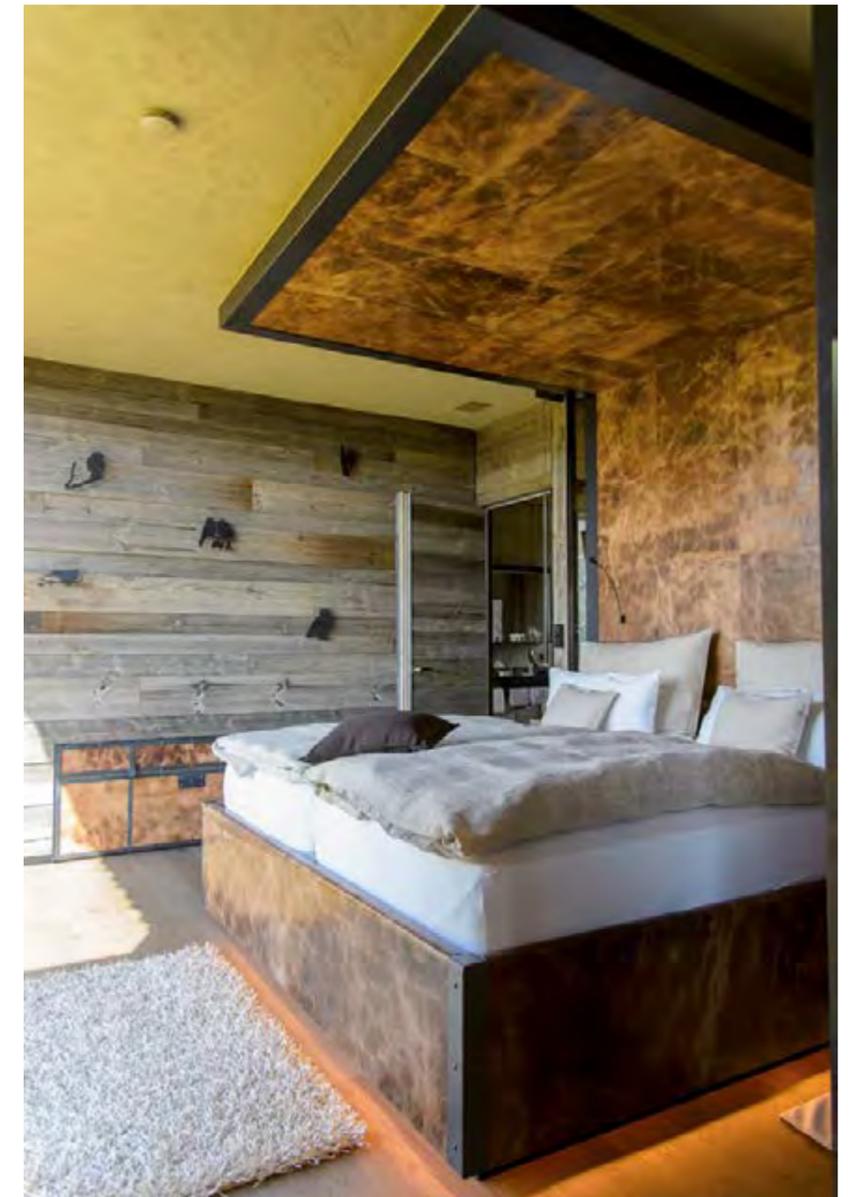
You can choose from several formats and designs to create unique coverings for surfaces and pieces of furniture. Experience soft leather surfaces and feel unique customized embossments.



Living room elements, Tundra Chocolate, image: Loek van Walsem



Real cow leather for exclusive furniture design, colour: Tundra Clay, project „Im Pogusch“ in collaboration with the architecture firm Viereck Architekten



Leather drawers and leather bedheads, colour: Pampas Straw, Fotos: Andreas Tischler



Leather, colour: Tundra Sand



Project: „Im Pogusch“, Austria



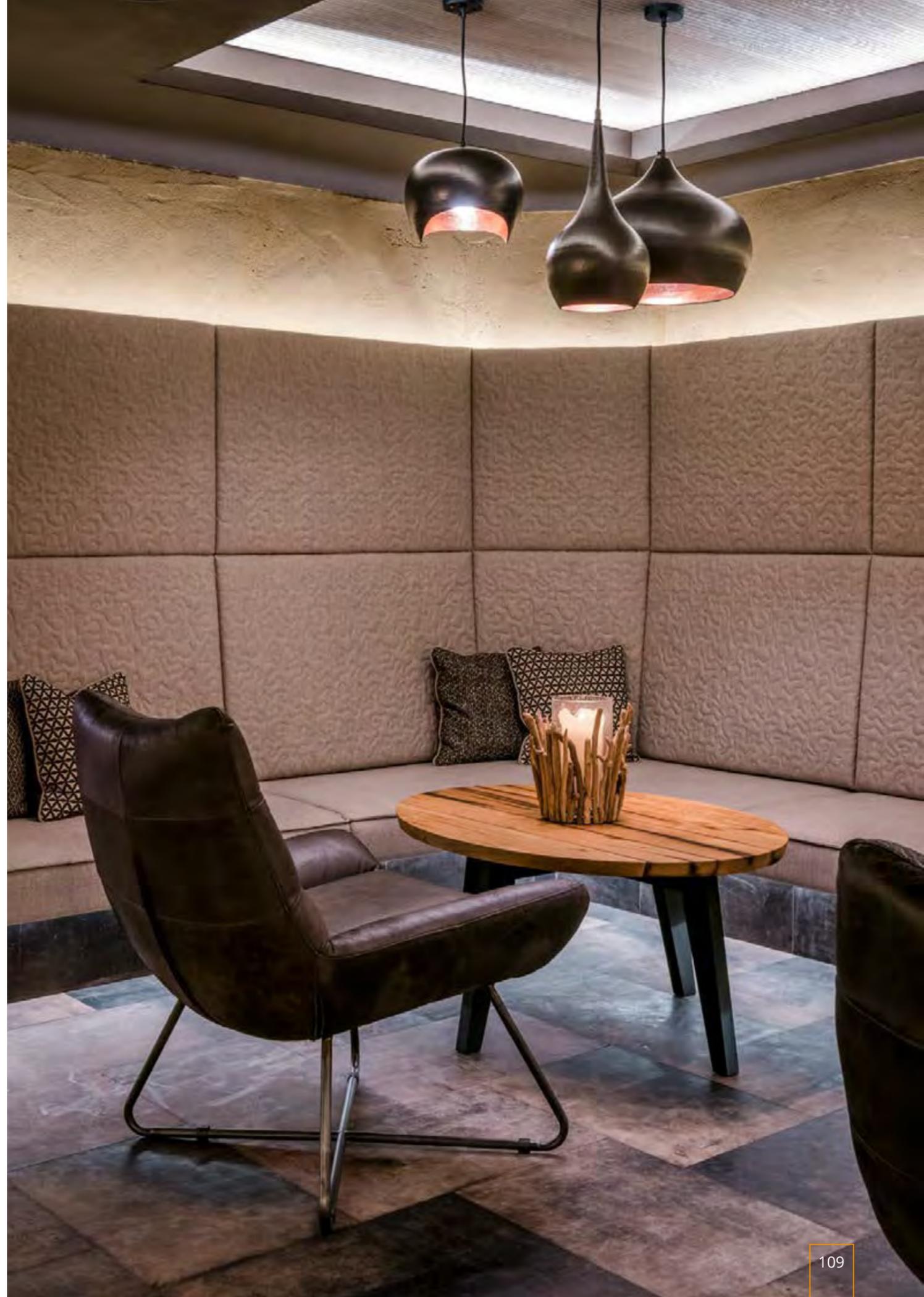
Four „Birdhouse deluxe“ chalets



Leather trunk, colour: Tundra Off Black



Leather as floor and wall cladding, colour: Tundra Chocolate, project: Hotel Gmachi, Bergheim, Austria, [www.gmachi.at](http://www.gmachi.at), images (both sides): Günther Standl





Leather as wall cladding and counter cladding, image: Loek van Walssem



Flooring made of leather, project: VIP Lounge, VFL Wolfsburg, design: Imme Vogel, immenwerk GmbH, realized with Brust + Partner, image: Darius Simka/regios24



Leather HUGS, real buffalo full-grain leather, colour: Tundra Chocolate, Wall design made of upholstered leather panels



Leather HUGS wall cladding, project: VIP Lounge, VFL Wolfsburg, design: Imme Vogel, immenwerk GmbH, realized with Brust + Partner, image: Darius Simka/regios24



Leather, real buffalo full-grain leather, colour: Tundra Chocolate, counter with surface covering



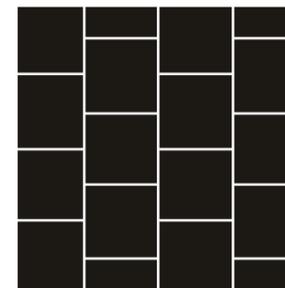
Leather, real buffalo full-grain leather, used in a restaurant, image: René van Dongen



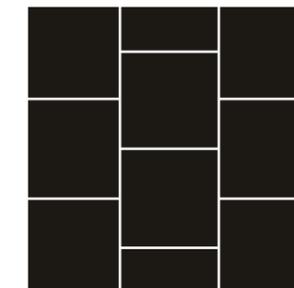
Leather, real buffalo full-grain leather, embossed surface



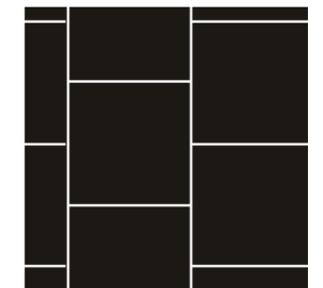
### VERLEGEMUSTER – STANDARDGRÖSSEN DER LEDERFLIESEN:



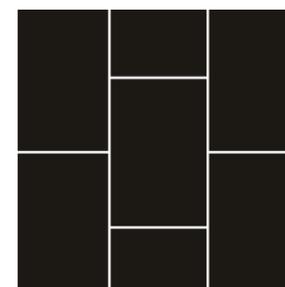
300 x 300 mm



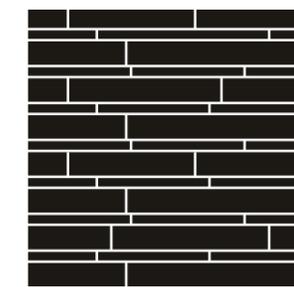
400 x 400 mm



500 x 500 mm



400 x 600 mm



Special formats upon request  
(max. 500 X 1000 mm)

## CHARRED WOOD

### MAGMA

Following the Japanese tradition Yakisugi (to preserve wood by burning), we also developed a process which gives wood surfaces a noble, burnt character.

Thanks to this special treatment, we are able to give the different types of wood we use at MAGMA a homogeneous appearance.

The black wood is finished with high-quality oils, waxes or varnishes and can be combined with gold applications or other materials, depending on the project.

The MAGMA boards are up to 3 - 4 m long, available with 140 mm or 170 mm width, and have a strength of 24 mm.



Magma, larch plank with grooves on both sides



Side view, Magma with groove



Magma wall cladding, combined with illuminated ALUSION™, project: Showroom Deutsche Werkstätten Leipzig, image: Asaf Oren



Magma spruce, 3-layer board, surface conserved, brushed, with nano sealing

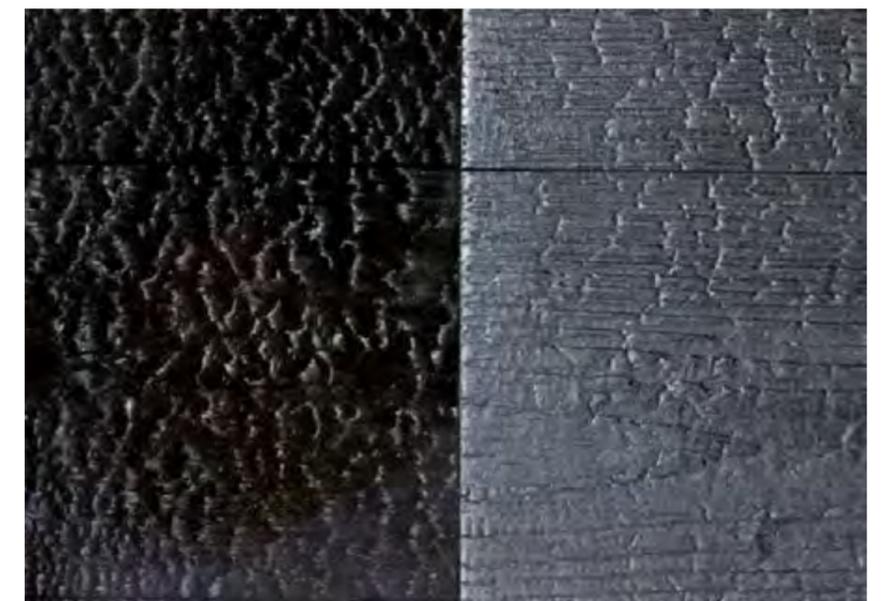




Magma wall cladding behind illuminated soccer club logo, project: VIP Lounge, VFL Wolfsburg, design: Imme Vogel, immenwerk GmbH, realized with Brust + Partner, Darius Simka/regios24



Burnt larch board, private house Kamptal



Magma spruce, 3-layer board, left side of the pattern, with resin sealing (surface smooth and closed), right side with nano coating (open surface)



Fuji – popular material for exterior facades

## CHARRED WOOD

### FUJI

If you are seeking for an alternative to our MAGMA product, we can offer you another hand-flamed wooden panel product.

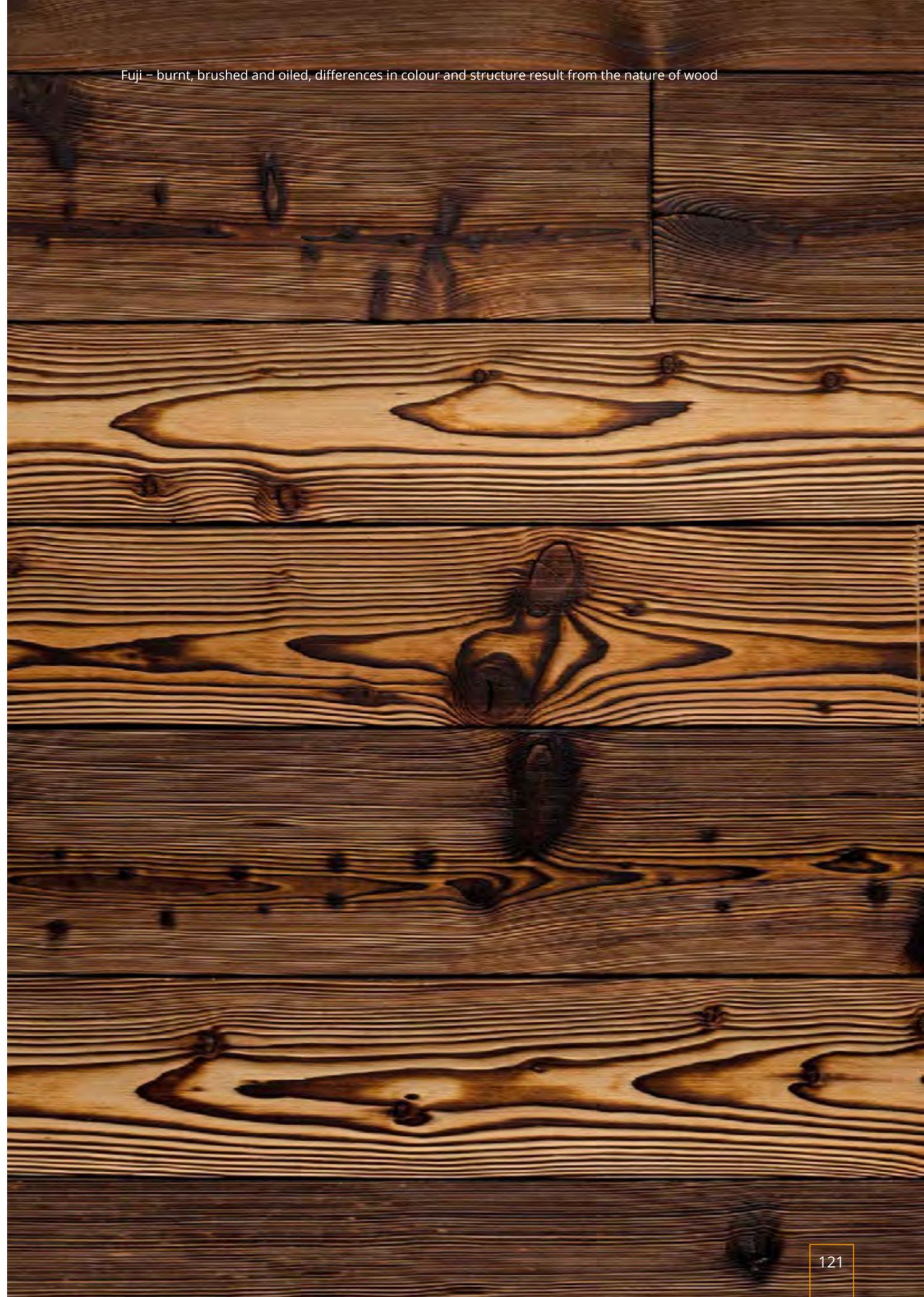
The FUJI panels, which are up to 4 m long, are fired, brushed and oil-treated. They are available in either a spring dimension of 146 mm or 176 mm (subtension reduced by 6 mm) and are 19 mm strong.

Our product FUJI is not as intensely burnt as MAGMA, but just as MAGMA it is suitable for outdoor use as well as for the design of cosy interiors.



Fuji – burnt wood from local larch

Fuji – burnt, brushed and oiled, differences in colour and structure result from the nature of wood



## OLD WOOD

### WOOD WITH A HISTORY

Our wood, carefully collected from old castles and farm houses, is integrated with the necessary respect into contemporary living spaces. The effects of wind, sun and rain have given each piece its own distinctive character.

The boards and planks display a variety of colours – from dark to light brown and grey tones – depending on their exposure to weather and the type of wood.

The reclaimed wood produces a sense of stability and underlines the comfort of the rooms in which it is used.

In addition to its use for indoor and outdoor floor, wall and ceiling coverings, our antique wood can be used for floor coverings and 3-layer panels or for furniture and door construction.

Spruce sunburned brown



Boards removed from the sunny side of a barn were carefully prepared and used for the interior cladding of a hotel room.



## SUNBURNED GREY AND BROWN

Lighter kinds of wood like spruce, fir or pine were often used for facades on old stables or barns.

If the surface of wood facades is left untreated, wood changes colour as time goes by.

The boards from the sides of a house facing towards and away from the sun differ in colour.

Old wood door covering, surface spruce/fir sunburned grey. The sunny side of the boards is brown and the shady side rather shimmers grey to silver.

Both colourations are caused by UV radiation, there is no need to worry about a reduction in the wood's strength, in contrast, the effects of the weather give the surface more character and reflect the traces left by nature.



# STONE

## WALL CREATIONS

In the many centuries of human history, stone has always played an important role. The protection of naturally formed caves, legendary prehistoric graves and the powerful symbolism of buildings made out of carved stone always stand for safety and stability – two of the things that people want for their living environment.

In the production of our stone panels we use glass fibre reinforced panels whose surfaces are coated with natural stone powder. Whether they have brick, rock or stone elements, the

wall coverings of the stone panels are attractive and timeless.

Large, thin sheet elements allow solid-looking, natural walls and facades to be created that offer numerous design possibilities. Ranging from modern and avant garde to solid and rustic, you are sure to find the right design.



Stone, Interior wall design, 261 Lascas ocre

## SURFACE DESIGNS STONE



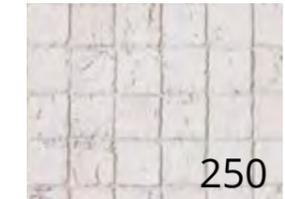
Ladrillo rojo (horizontal)



Ladrillo blanco



Ladrillo loft classic



Mosaico blanco



Mamposteria vieja junta gris



Mamposteria vieja gris



Roca



Laberinto



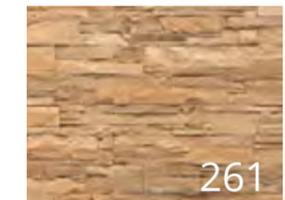
Lajas blanca



Lajas gris



Lajas ocre



Lascas ocre



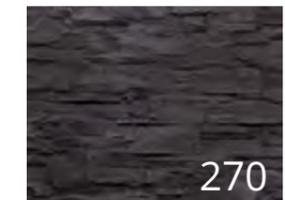
Lascas terrosa



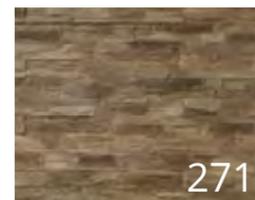
Lascas marron



Lascas gris



Lascas negra



Lascas anthracite



Rustica blanca



Pirenaica ocre



Pirenaica negra



Navarrete marron



Navarrete blanca castellana



Navarrete ocre



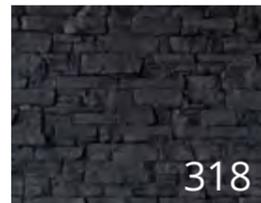
Navarrete gris



316  
Navarrete anthracite



317  
Navarrete blanca



318  
Navarrete negra



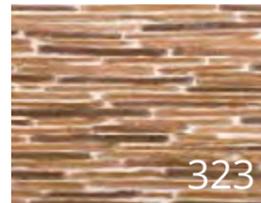
319  
Lajas marron



320  
Lajas anthracite



322  
Picada gris



323  
Pirenaica marron



326  
Silarejo blanca castellana



327  
Ladrillo loft rojo



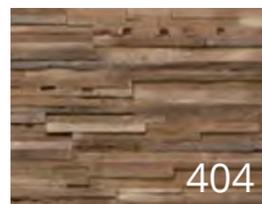
400  
Plywood anthracite



401  
Plywood avellana



402  
Plywood blanca



404  
Plywood marron



405  
Plywood negra



406  
Plywood pino



408  
Plywood nogal



228  
Ladrillo loft white



128  
Beton (horizontal)



202  
Mamposteria nueva blanca castellana



205  
Mamposteria nueva ocre



207  
Lastra blanca castellana



214  
Picada blanca castellana

(Detail of whole panels)

Stone, fireplace room, Pirenaica Milieu, image: B.C.Gassner





Ladrillo loft classic,  
project: Bite Delite Store at the „Fünf Höfe“ in Munich



# PRODUCT INFORMATION NATURE



## POPLAR TREE BARK

CLADDING FOR WALL, CEILING, FACADE AND FURNITURE

Material	Poplar tree bark (from one piece)
Sizes	Panels up to max. 3040 mm, see panel overview on our website, 1 layer of shingles = 1220 x 660 mm (consists of several shingles, width per shingle varies)
Designs	Standard and Premium
Uses	Facades, interior walls, cabinetry
Examples	Facades, office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Standard 8-10 and Premium 15 - 20 mm thick
Weight	Standard weight 1.4 kg and Premium weight 2.2 kg per panel
Fire rating	/
Acoustics	Acoustically effective
Assembly	Screw assembly
Delivery Time	Approx. 2 - 3 weeks, for special sizes up to 3 months
Please note:	The material is a natural product, where slight abrasions and cracks can occur and which does not mean a quality deficit.



## CORK TREE BARK

CLADDING FOR WALL AND CEILING, CORK PICTURES

Material	Young cork bark mounted on a cork carrier board
Sizes	Standard size: 900 x 600 mm
Designs	Natural and gold
Uses	Interior wall design and facades, cabinetry
Examples	Facades, office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	25 - 30 mm thick
Weight	Aprox. 3 kg per panel
Fire rating	/
Acoustics	Acoustically effective
Assembly	Adhesive assembly
Delivery Time	Approx. 2 - 3 weeks
Please note:	The material is a natural product, where slight abrasions and cracks can occur and which does not mean a quality deficit.



## BIRCH TREE BARK

CLADDING FOR WALL AND CEILING, BIRCH PICTURES

Material	Young birch bark mounted on a multiplex carrier board
Sizes	480 x 480 mm, optional 480 x 780 mm
Designs	Natural
Uses	Interior wall design and cabinetry
Examples	Facades, office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	10 - 20 mm incl. carrier board
Weight	Approx. 2.5 kg per m <sup>2</sup>
Fire rating	/
Acoustics	/
Assembly	Screw assembly
Delivery Time	Approx. 2 - 3 weeks
Please note:	The material is a natural product, where slight abrasions and cracks can occur and which does not mean a quality deficit.



## PRODUCT INFORMATION NATURE (CONTINUED)



**LARCH TREE BARK**  
CLADDING FOR  
WALL, CEILING AND  
LARCH IMAGES

Material	Larch tree bark glued on MDF panel carrier
Sizes	2500 x 1250 mm
Designs	Natural
Uses	Interior wall design and cabinetry
Examples	Facades, office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Approx. 30 – 45 mm incl. carrier board
Weight	Approx. 29 – 31 kg per m <sup>2</sup>
Fire rating	/
Acoustics	Only low acoustic effect
Assembly	Nail or screw assembly
Delivery Time*	Approx. 1 – 2 weeks
Please note:	The material is a natural product, where slight abrasions and cracks can occur and which does not mean a quality deficit.

\* wenn vorrätig



**BARK LAMINATED**  
CLADDING FOR  
WALL, CEILING AND  
FURNITURE

Material	Bark laminate panels in various designs, custom tailored
Sizes	Panels up to max. 1.22 m width and 3.66 m length
Designs	White birch, Weymouth pine, yellow birch
Uses	Interior wall design and facades, cabinetry
Examples	Office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Approx. 8 – 10 mm incl. carrier board
Weight	Approx. 3.86 kg per m <sup>2</sup>
Fire rating	B1 on request optional
Acoustics	/
Assembly	Screw assembly
Delivery Time*	Approx. 5 – 6 weeks
Please note:	The material is a natural product, where slight abrasions and cracks can occur and which does not mean a quality deficit.



**LEATHER**  
LEATHER FOR WALL  
CLADDING AND  
FLOORS

Material	Real buffalo and cow leather
Sizes	Standard sizes: 300 x 300 mm, 400 x 400 mm, 600 x 400 mm, 500 x 500 mm; other sizes available upon request; custom sizes available (up to a maximum of 1000 x 500 mm)
Colours	Wide range of colours (see page 104)
Freeforms	Embossed with caymans and cobra pattern, lasering possible on request (e.g. logo)
Uses	Floor, wall and ceiling design; counter and furniture construction (also suitable for underfloor heating)
Examples	Office and residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	2,5 – 3 mm thick
Weight	2 – 3 kg
Fire rating	B1 (suitable for use with underfloor heating)
Acoustics	Acoustically effective
Assembly	Can be installed by a floor laying company; a 2-component adhesive can be ordered as an option
Delivery Time*	Approx. 2 – 3 weeks for individual sizes
Please note:	The material is a natural product, the colours may shimmer. This fact does not mean a quality deficit.

# PRODUCT INFORMATION NATURE (CONTINUED)



**CHARRED WOOD  
MAGMA**  
CLADDING FOR WALL,  
CEILING AND FACADES

Material
Spruce, larch or 3-layer boards preserved
Sizes
3-layer boards or boards, sizes according to customer requirements, max. 3000 x 1020 mm, special sizes on request Boards: preserved spruce wood, boards with milled groove on both sides incl. foreign spring, surface sealed and clear varnished Format: 170 x 3000 mm (0,51 m <sup>2</sup> ), Thickness: 24 mm
Colour
Deeply burned (black)
Uses
Interior wall and ceiling design, cabinetry
Examples
Facades, residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Approx. 20 – 25 mm 3-layer panel, approx. 24 mm boards
Weight	6 – 7 kg per m <sup>2</sup>
Fire rating	/
Acoustics	/
Assembly	Screw assembly or batten systems
Delivery Time	2 – 3 weeks
Please note:	The type of sealing depends on the location



**CHARRED WOOD  
FUJI**  
CLADDING FOR WALL,  
CEILING AND FACADES

Material
Larch wood burnt, brushed and oiled
Sizes
3-layer boards or boards, sizes according to customer requirements, max. 3000 x 1020 mm, special sizes on request Boards: preserved spruce wood, boards with milled groove on both sides incl. foreign spring, surface sealed and clear varnished Format: 170 x 3000 mm (0,51 m <sup>2</sup> )
Colour
Shimmering flamed character (natural / black)
Uses
Interior wall and ceiling design, cabinetry
Examples
Facades, residential interior design, trade fair design, hotel and retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Approx. 20 – 25 mm 3-layer panel, approx. 24 mm boards
Weight	6 – 7 kg per m <sup>2</sup>
Fire rating	/
Acoustics	/
Assembly	Screw assembly or split batten systems
Delivery Time	2 – 3 weeks
Please note:	The type of sealing depends on the location



**OLD WOOD**  
WOOD WITH A STORY:  
BEAMS, PLANKS AND  
3-LAYER PANELS

Material
Spruce, fir and oak planks, 3-layer panels, floors and doors
Sizes
Beams up to 3 m long, planks up to 3 m long, layered panels up to 3 m long
Colour
Various surface designs: sunburned grey and brown, hand-chopped and old oak
Freeform
Madame Patina
Uses
Wall and ceiling design; cabinetry
Examples
Office and residential interior design, trade fair design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Depending on article, 20 – 50 mm
Weight	Depending on article
Fire rating	/
Acoustics	/
Assembly	Screw assembly or batten systems
Delivery Time	2 – 3 weeks
Please note:	The material is a natural product, colours may vary depending on weather conditions

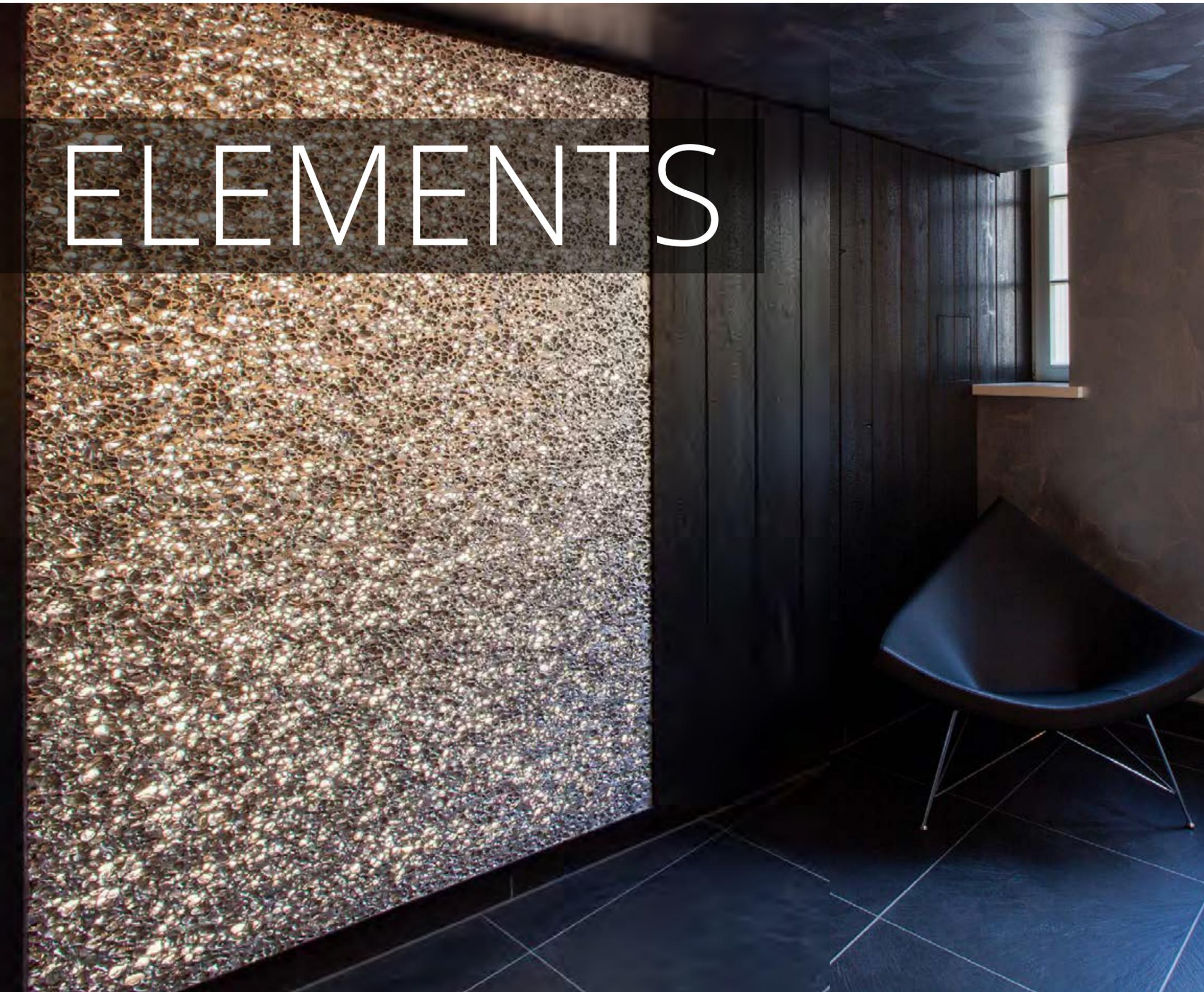


**STONE**  
PANELS WITH BRICK, ROCK  
AND STONE LOOK, CON-  
CRETE/RUST WALLPAPER

Material
Stone panels with putty, spray can and hardening agent
Sizes
Approx. 3.290 x 1.340 mm, depending on decor
Designs
Approx. 64 different designs
Uses
Interior wall design
Examples
Office and residential interior design, trade fair design, hotel design, retail design, wellness/quiet rooms, restaurants, reception and conference rooms

Technical Information	
Thickness	Up to 100 mm
Weight	35 kg per panel
Fire rating	B2
Acoustics	/
Assembly	Adhesive assembly  Equipment: Filler, colour and hardener
Delivery Time	Approx. 2 – 3 weeks

# ELEMENTS



ALUSION™ translucent, illuminated, combined with Magma,  
project: Showroom Deutsche Werkstätten Leipzig, image: Asaf Oren

## ELEGANT AND STYLISHLY FLOWING WALL PANELS

Clear water that softly runs down glass surfaces, translucent materials that create interesting light effects and precise CNC-milled shapes that you can use to give your project a particularly creative touch: these design elements of our product line ELEMENTS provide a broad range of ideas that you can use to imaginatively refine your surfaces, walls and facades.

A form language based on natural forces, clear design and play with movement and light allow the creation of unique living spaces and surfaces.

## MODULAR

### WALL MODULES MADE FROM MDF

Exclusive, contemporary wall design with large, milled wall panels – those are the organic forms of Modular.

The translucent look creates a room inside the room, without separating light and the overall atmosphere from each other. The pattern elements are large modules that are used as a room dividing system in

interior design and as three dimensional coverings. Modular is used to achieve a corresponding depth effect and to softly divide rooms while keeping them translucent.

Every panel has the entire pattern so that it matches the next panel on every side.



Modular Others 03, project: BestWestern Parkhotel Ropeter Göttingen by NeumannRaumDesign



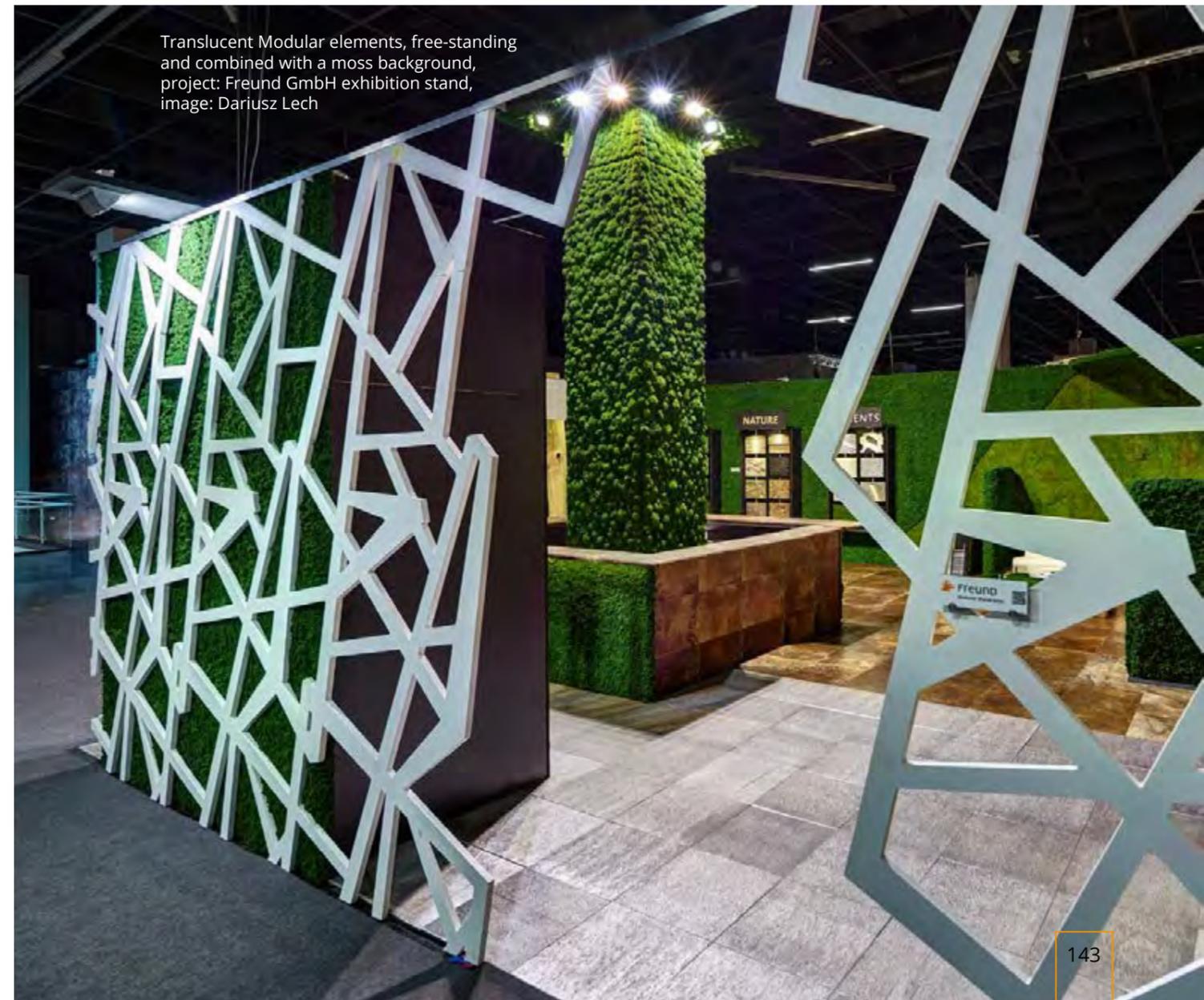
Modular Others 03, project: BestWestern Parkhotel Ropeter Göttingen by NeumannRaumDesign



Translucent Modular room dividers in the waiting area, project: Herz im Zentrum, Hanover, in cooperation with Hans G. Bock GmbH / Karen Dörge, Dipl.Ing. interior designer, images: Herz im Zentrum



Modular Organic 01, backlit surface primed and pre-finished white



Translucent Modular elements, free-standing and combined with a moss background, project: Freund GmbH exhibition stand, image: Dariusz Lech

## DESIGNS MODULAR

The pictures show a wall section, the white areas in the size: 2440 x 1220 mm represent the panel.



Modular, room divider and wall panels with Evergreen moss, colour: apple green, project: KOMBRINK - CAFÉ.MITTAGSTISCH.CATERING Berlin, image: Freund GmbH



Organic 01



Organic 02



Pop 01



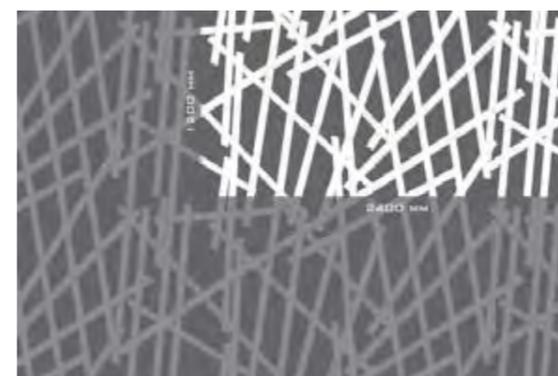
Ornament 01



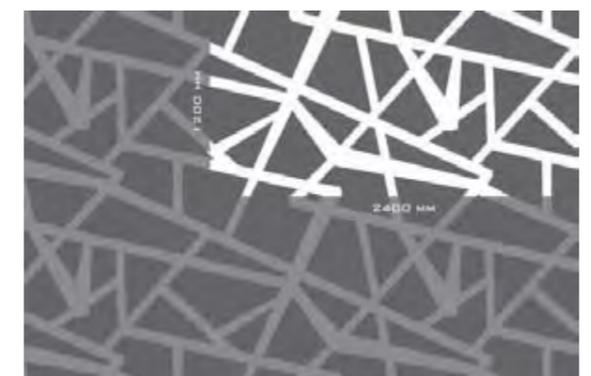
Bubbles 03



Luna 02



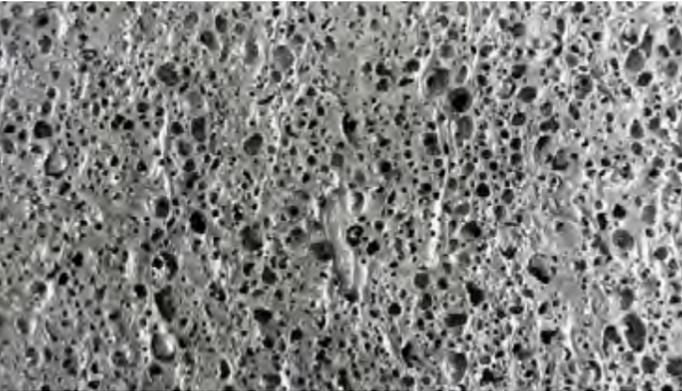
Others 02



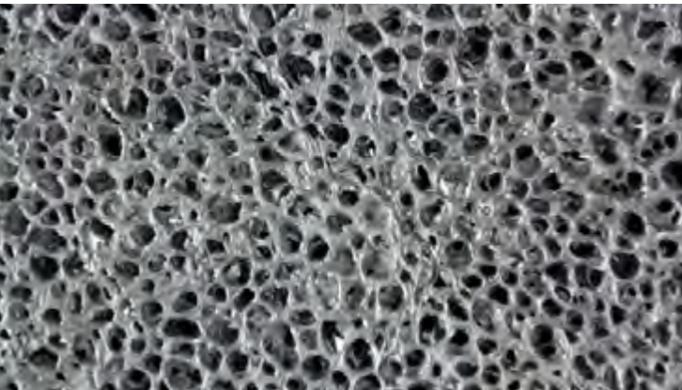
Others 03

## DESIGNS ALUSION™

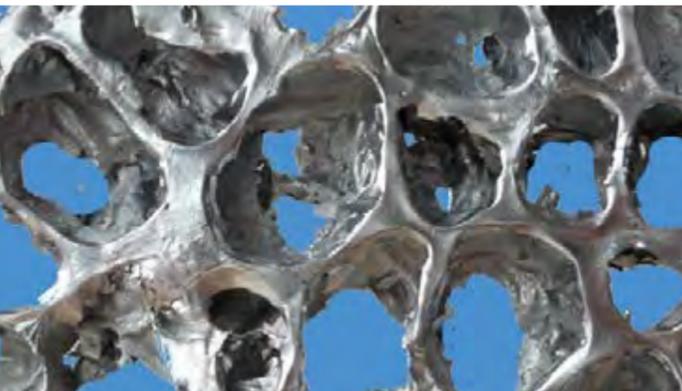
(Detail of one panel)



AL-FG-12.7-SM-2S (small cells, both sides open)



AL-FG-12.7-MD-2S (medium-sized cells, both sides open)



AL-FG-12.7-LG-2S (large cells, both sides open)



AL-FG-12.7-LG (large cells, both sides closed)

## ALUSION™

### STABILIZED ALUMINIUM FOAM

ALUSION™ Stabilized Aluminium foam combines the cool beauty of metal with a surface resembling flowing water. ALUSION™ is available in three different cell sizes, whereby each sheet is unique, with its own individual textures.

This one-of-a-kind, non-flammable material is light, but robust. Architects use it to create unusual walls, ceilings and facades. The translucent effect is achieved through the combination of large cells that are open on both sides.



**ALUSION™**  
by Alusion Technologies Ltd.



Translucent ALUSION™ elements in the bar area, project/image: POOL Garden Leipzig



Backlit wall from ALUSION™, in combination with preserved wood Magma (see page 114), project: Showroom Deutsche Werkstätten Leipzig, image: Asaf Oren



ALUSION™, project: Absolut Vodka Bar, New York  
large cells, translucent



ALUSION™, AL-FG-12,7-LG-2S  
(large cells, both sides open)



ALUSION™, AL-FG-12,7-LG-2S (large cells, both sides open)



Shop-Design, AL-FG-12,7-LG-2S  
(large cells, both sides open)



Swarovski, fair stand, AL-FG-12,7-LG-2S  
(large cells, both sides open)



AL-FG-12.7-LG-2S (large cells, both sides open), 3 m panel length, hindlschieneis architekten, image: Eckhart Matthäus



Glass was mounted in the inside of the entrance building in order to retain the translucent property of the material. image: Eckhart Matthäus



ALUSION™ surface from recycled aluminium, image: Eckhart Matthäus

## ENTRANCE BUILDING

The weather-resistant aluminium shell of light and water is composed of a glasscovered steel skeleton encased with ALUSION™ panels – recycled aluminium that the silicon has melted out of upon heating.

This process creates the specific ornamentation of the surface. In the dark a mirror ball lights up the outwardly radiating light body, which is a transparent landmark that sparkles in the sun at the entrance to the research institutes in the Augsburg Innovation Park during the day but lights up from the inside at night.

Always in motion, flowing, as a metaphor for water, complex and alive.

Building contractor:  
City of Augsburg, Stadtentwässerung

Completion:  
December 2013

Construction:  
Steel glass construction with ALUSION™ aluminium shell



Innovation Park Augsburg, Entrance building, facade ALUSION™, image: Eckhart Matthäus

**ALUSION™**  
by Cymat Technologies Ltd.

## STYLE

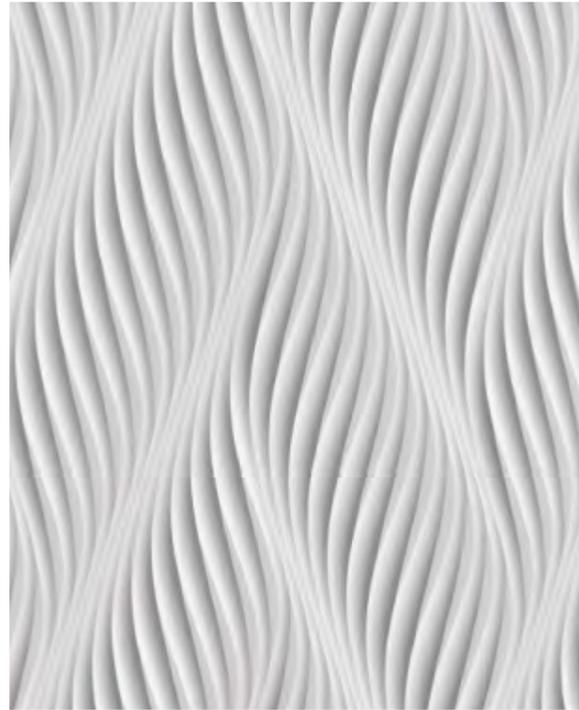
### 3D WAVE PANELS MADE OF MDF

With the three-dimensionally milled Style panels, we pick up on organic forms from nature. The technology of the CNC machines enables an exact transition between two panels. As a result we can refine entire wall areas uniformly and continuously with the design panels.

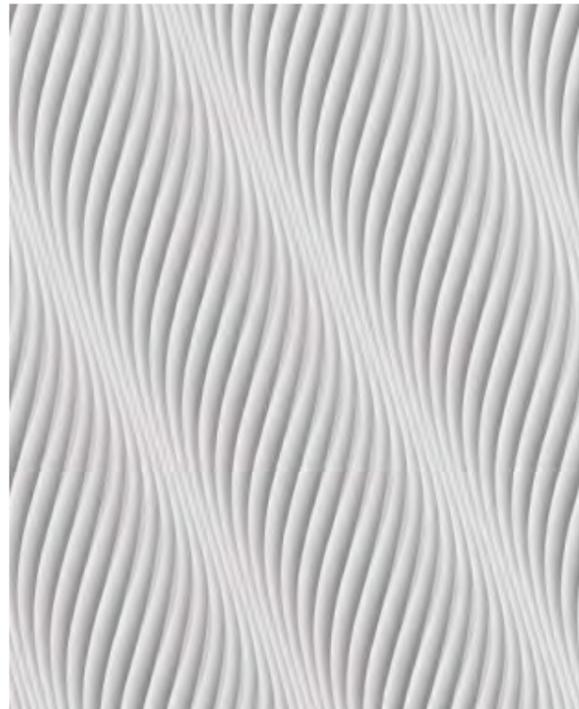
The milled pattern on the panels and the targeted use of lighting elements create fascinating light and shadow interplays between the pattern arrangements and thus skilfully put the limelight on walls. The large range of various designs allows you to create an impressive design for your project. The surfaces of the panelling sheets are always polished on both sides, primed and pre-finished white.

Every panel has the entire pattern and can therefore be mounted next to another panel on any side.

### DESIGNS STYLE (PART 1)



Zig Zag 506 (Detail of a panel)



Wave 502 (Detail of a panel)



Canyon 523 (Detail of a panel)

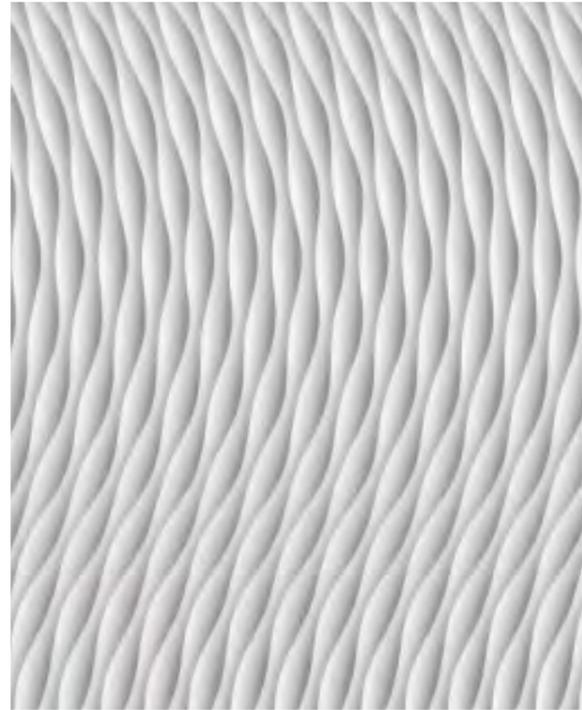


Wall covering with style Beach 521, size 2440 X 1220 mm, surface primed and pre-finished white

DESIGNS STYLE (PART 2)



Ribbon 503 (Detail of a panel)



Curve 505 (Detail of a panel)



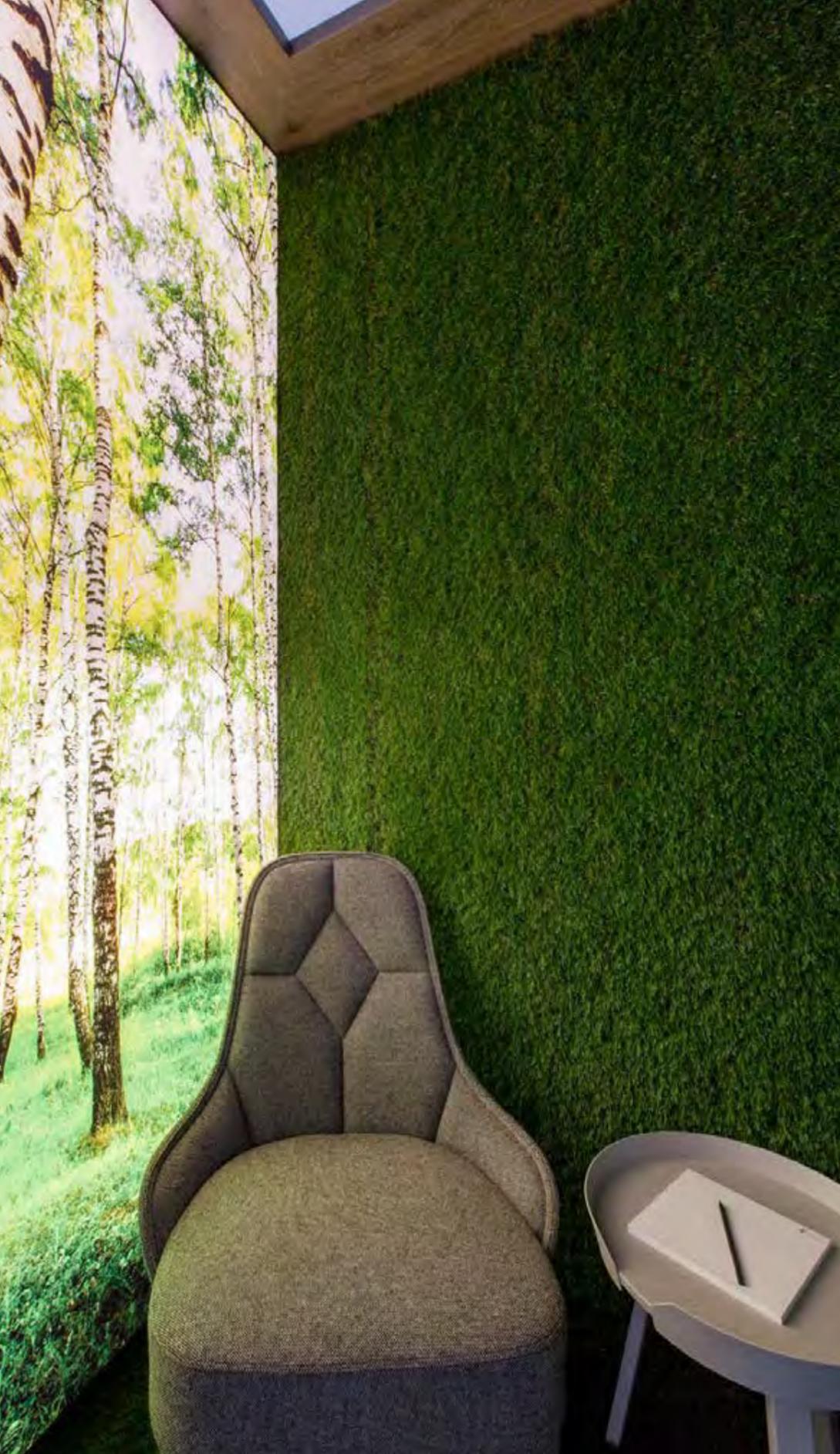
Flame 501 (Detail of a panel)



Flower 509 (Detail of a panel)



Wall cladding with Style Canyon 523 and integrated company logo in the reception area, project: Herz im Zentrum, Hanover, in cooperation with Hans G. Bock GmbH / Karen Dörge, Dipl.Ing. Interior Designer



Artificial turf as wall covering,  
project: Showroom Deutsche Werkstätten Leipzig, image: Asaf Oren



## NATURAL-LOOKING ARTIFICIAL TURF

The turf of the world champions impresses with its natural appearance and the maintenance advantage over its competitors.

Our artificial turf product is available in both modular and rolled form. It is especially popular and appreciated for its functionality when covering terraces and flat roofs outdoors.

It is also used in interiors as an eye-catcher.

Artificial turf modules, The Turf of the World Champions-  
image: Andreas Schwarz for Freund GmbH



Artificial turf modules, authentic terrace greening without irrigation, project: European headquarters Clinton, Hoppegarten, images (left and right): Andreas Schwarz for Freund GmbH



Artificial turf module, size: 500 x 500 mm

## WATER

### WATER WALLS

Close your eyes and listen to the soothing sound of flowing water and take a deep breath: our water walls produce an exclusive sense of well-being in offices, hotels, wellness areas and living spaces.

They are ideally suited to regulate the room climate in offices and work spaces,

since they absorb the smallest particles, ionize the air and let enough water evaporate. This increases the ability to concentrate and keeps one's skin from drying out.



Water wall with logo branding, project/image: Herz im Zentrum, Hannover



Water wall, 10m high, project Lodenfrey, Bad Ischl (view of ground floor)



Free-standing water wall with water flow over a textured stainless steel sheet



Free-standing water wall with water flow over single pane safety glass (ESG)

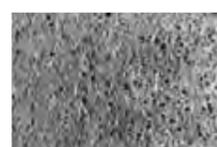
# PRODUCT INFORMATION ELEMENTS



**MODULAR**  
WALL MODULE  
FROM MDF

Material	Translucent, surface primed and pre-finished white
Sizes	Standard size: 2440 x 1220 mm
Designs	9 Designs (see page 145)
Freeforms	Can be lacquered and powdered
Uses	Interior walls and counter cover
Examples	Facades, office and residential interior design, trade fair, hotel and retail design, wellness/ quite rooms, restaurants, reception and conference rooms

Technical information  	
Thickness	25 mm
Weight	25 kg pro Paneel
Fire Rating	B1/B2
Acoustics	/
Assembly	With lamellos
Delivery time	Approx. 2 - 3 weeks



**ALUSION™**  
ALUMINIUM FOAM  
PANEL

Material	Stabilized Aluminum Foam
Sizes	Standard sizes: 2440 x 1220 mm and 3000 x 1220 mm
Designs	Various (see page 146)
Freeforms	Can be lacquered and powdered
Uses	Interior walls and facades
Examples	Facades, office and residential interior design, trade fair, hotel and retail design, wellness/ quite rooms, restaurants, reception and conference rooms

Technical information  	
Thickness	optional 12.7 mm, 25.4 mm or 43,2 mm
Weight	16 kg per panel for the large cell translucent
Fire Rating	A1
Acoustics	The material is acoustically effective if mineral fibre wool is applied behind the translucent alu panels.
Assembly	Screwed or glued directly onto the wall
Delivery time	1 - 2 weeks, We keep the translucent design with large cells, both sides open, 2440 x 1220 mm (thickness 12.7 mm) in stock



**STYLE**  
MILLED MDF OR  
PU RIGID FOAM PANELS

Material	MDF or PU rigid foam, surface primed and pre-finished white, back side with opposing film
Sizes	Standard sizes: 2440 x 1220 mm
Designs	11 Designs (see page 154 / 156)
Freeforms	Can be lacquered and powdered
Uses	Interior walls and counter cover
Examples	Office and residential interior design, trade fair, hotel and retail design, wellness/ quite rooms, restaurants, reception and conference rooms

Technische Informationen 	
Thickness	15 mm MDF 3.4 or 8 mm thickness 2 - 3 mm PU rigid foam
Weight	25 kg MDF per panel 5 kg PU rigid foam per panel
Fire Rating	B1 upon request
Acoustics	/
Assembly	/
Delivery time	Approx. 1 - 2 weeks

## PRODUCT INFORMATION ELEMENTS (CONTINUED)



### ARTIFICIAL TURF TURF OF THE WORLD CHAMPIONS

Material	Authentic artificial turf (as polymer modules and rolled)
Sizes	Rolled: 115 x 1800 cm Moduls: 53 x 53 cm (incl. trims), 4 modules result in 1 m <sup>2</sup>
Design	Modules with or without drainage holes
Uses	Terrace landscaping, wall cladding
Examples	Facades, office and residential interior design, trade fair, hotel and retail design, wellness/ quite rooms, restaurants, reception and conference rooms

Technical information	
Thickness	From 7 cm, as rolled product: 3 cm
Weight	2,44 kg per module
Fire Rating	/
Acoustics	Acoustically effective
Assembly	Can be cut to size and interlocked
Delivery time	Modules M10D / M20: 1 – 2 weeks All other items: 5 – 7 weeks



### WATER WATER WALLS

Material	Water walls with integrated water tank
Sizes	Up to 12 m tall
Freeforms	Glass surface is printable
Uses	Interior walls and room dividers
Examples	Facades, office and residential interior design, trade fair, hotel and retail design, wellness/ quite rooms, restaurants, reception and conference rooms

Technical information	
Thickness	250 – 300 mm
Weight	Depends on wall height
Fire Rating	B1
Acoustics	/
Assembly	Mounting is included in price
Delivery time	Approx. 4 – 6 weeks



# PROJEKT SOLUTIONS: CREATING SPACES OF COMFORT



Moss wall made of Evergreen Premium Moss, colour: moss green, project: WeWork Waterhouse Square London, design: Oktra, partner: Innerspace Cheshire, image: Corrine Noel Photography for Freund GmbH

## PROJECT SOLUTIONS

### WHAT DOES IT NEED TO CREATE COMFORTABLE SPACES?

One of Feng Shui's aims is to harmonize people with their surroundings. Through the conscious design of work and life spaces it is possible to create this harmony. It enhances the quality of personal life and allows employees to be more productive and motivated.

Are you in the planning stage for a complex architectural project with a very special character? The effective cooperation of all partners is the key to your success.

We develop, design and produce functional materials for your projects in the following areas:

- Well-being office
- Gastronomy and shop fitting
- Events, trade fairs and advertising
- Fitness, wellness and spa

We know from experience which aspects are most important. Benefit from our experience and our good network. We have the perfect partners to dedicate ourselves to your project.

All materials and products can be ordered directly from us.



Evergreen Premium room divider as acoustic solution for the office, image: Freund GmbH

## WELL-BEING OFFICE

### BRING (GREEN) NATURE INTO THE OFFICE

Full-time employees spend about a third of the day at work. It is therefore essential that they feel comfortable in their working environment.

The correct screen height, comfortable lighting, ergonomic chairs or flexible desk-heights have almost become standard in office planning. However, for the physical and mental well-being employees, a good indoor climate with appropriate humidity and green nature in the room are also highly relevant. In addition, disturbing background noises can often impair the concentration.

Scientific studies show that indoor plants reduce stress, increase creativity, promote concentration, lower blood pressure and generally improve cognitive abilities.

With our images of moss, plants and bark you can measurably improve room acoustics by up to 90 %.

Increase the efficiency in your company through healthier and above all more motivated employees with our products:

- Nature pictures and walls made of moss, bark and plants
- Individual room dividers, e.g. of moss
- Air humidifier for optimal industrial hygiene
- Acoustic solutions against noise-related stress



Evergreen Premium, colours: moss green and apple green, project: Sparkasse Schwerte, design: architecture office JBR Partner, photo: Philip Kistner



Evergreen Premium, colours: moss green, apple green and olive, project: Sparkasse, design: architecture office JBR Partner, photo: Philip Kistner



Melamine foam, ceiling-mounted panel, in cooperation with AHA360, image: Thomas Hiermayer



Evergreen Premium, colours: moss green, project: Sparkasse Schwerte, design: architecture office JBR Partner, photo: Philip Kistner

## ACOUSTIC SOLUTIONS BY FREUND

In recent years, architectural work was very much based on glass and concrete, which looks very beautiful but, due to the high reverberation time, demands the highest demands on the acousticians to guarantee the most comfortable room acoustics. The requirements of large open offices, in which a lot of calls are made, need good and attractive acoustic solutions, which we are able to supply:

### FREUND EVERGREEN MOSS

Our Evergreen moss pictures and moss walls are green acoustic solutions par excellence.

With a certified absorption rate of up to 90% in the speech range, our Evergreen Moss is of the highest quality. The sound reaches the open pores and can not get out again. We produce the panels for you in our moss manufactory. We are capable of supplying various carrier materials (B1, MDF, HDF, glass fibre A1).

### FREUND ACOUSTIC SAIL BASED ON MELAMINE VARNISH

Our acoustic sails are made of flexible, open-cell foam based on melamine varnish. Neither mineral fibres, CFCs nor halogens are used. The sound absorption is almost 95% and fire protection class B1 is possible as well.

The acoustic sails can be shaped to almost any form and coated with the desired colours. They are mounted either directly on the wall or with spacers at the desired location.



Nature in a room: Combined with ergonomic office furniture, moss walls can be the perfect solution for creating well-being offices. Image: Andreas Schwarz for Freund GmbH



With moss panels made of Evergreen Premium Moss, it is possible to turn any unattractive devices into green eye-catchers - as shown here on the Copyboxes project for the Gries Deco Company GmbH in Niedernberg, which was created in cooperation with the designers and architects of schöne räume ai GmbH, Frankfurt a. M..

## THE COLOUR GREEN

Green as colour of the middle transports balance. Appearing totally neutral between all extremes, it has a calming effect without causing stress.

The colour green enhances qualities such as helpfulness, patience, tolerance and satisfaction. In the field of medical colour therapy, green is considered to be a colour that balances the rhythm of heart and kidneys.

The colour green serves as a neutral healing colour, which does not cause any physical complaints or counter-reactions. It allows you to recover and brings regeneration.

Green gives the human eye peace, because looking into the green is never exhausting, but rather sensitizes it to all other impressions.



Desk divider with Evergreen Premium Moss, image: Freund GmbH



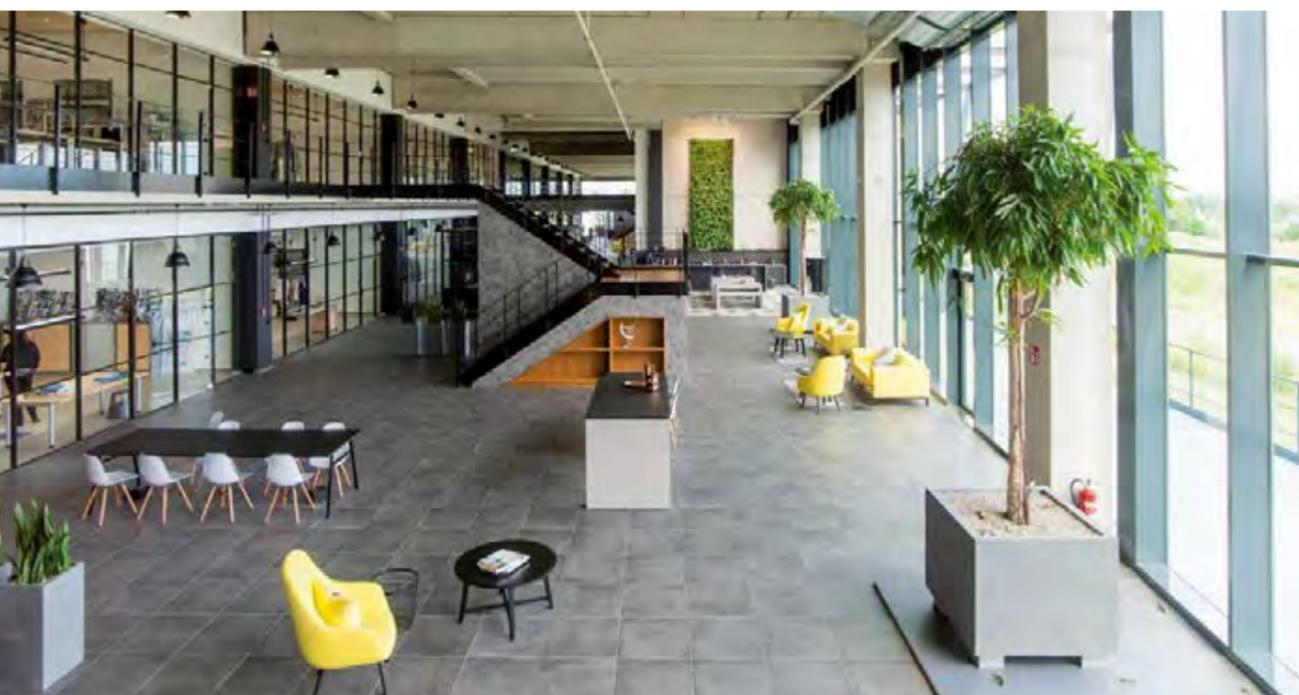
Evergreen Premium Moss mobile room dividers divide workspaces in the spacious open-plan office in a clever way. Also they offer a high degree of privacy and optimize acoustics for concentrated, productive work. image: Andreas Schwarz for Freund GmbH



Evergreen Moss Premium, colour: moss green, project: room divider and world map made of real moss inside the business offices of the Clinton company, Berlin Hoppegarten, in cooperation with Susanne Kaiser, image: Andreas Schwarz for Freund GmbH

Evergreen Premium room dividers were installed at Clinton Berlin Hoppegarten's offices in an intelligent, easy and decorative way to create niches for relaxed meetings (in cooperation with Susanne Kaiser).

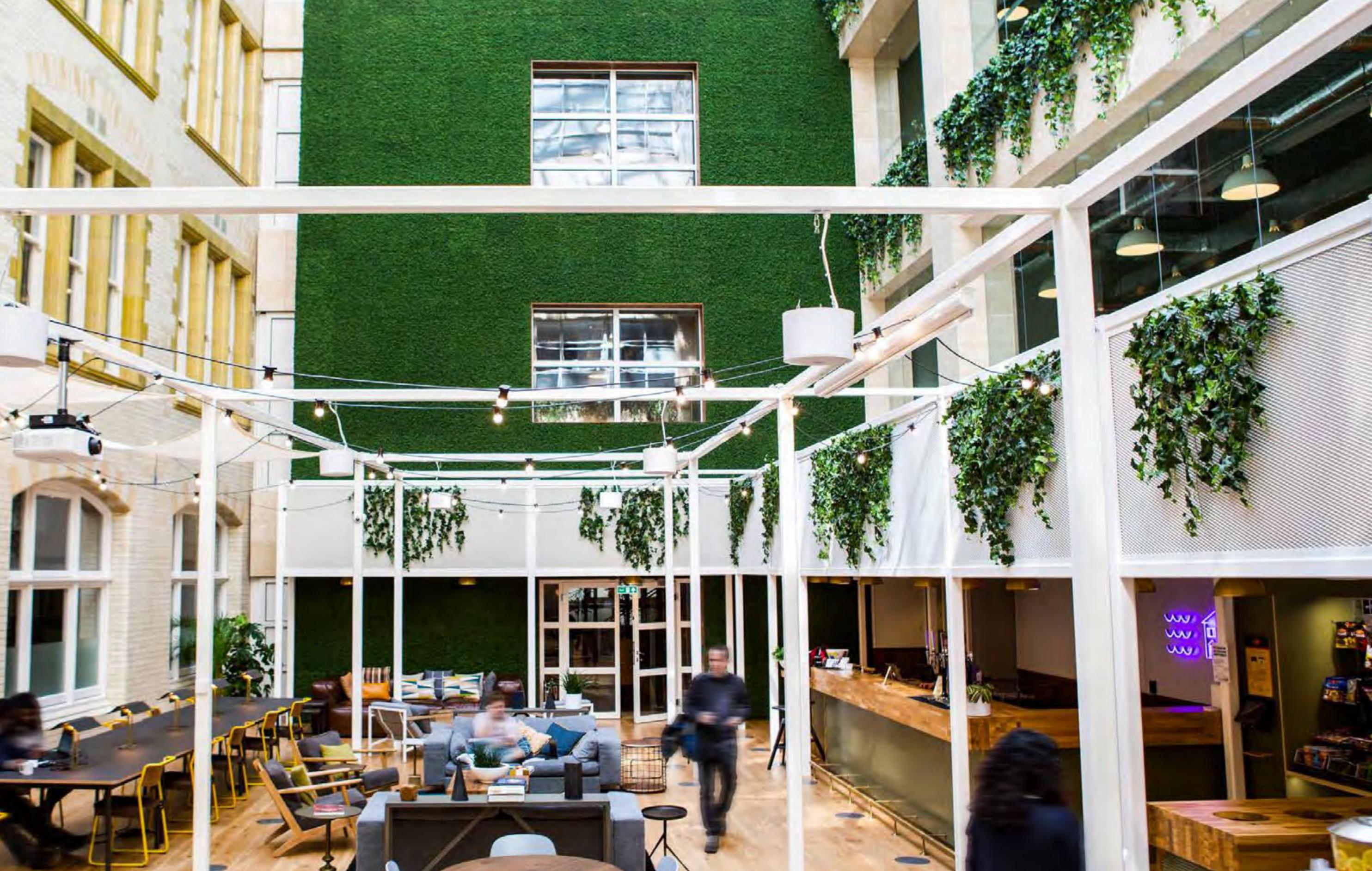
An additional design highlight is the world map made of real moss. This gives the rather colder atmosphere of the loft a pleasant, natural ambience.



In the large, light-filled rooms of the fashion manufacturer Clinton, in a space of 1,300 square metres, designers can discuss their ideas together and hold small meetings in a creative atmosphere. image: Andreas Schwarz for Freund GmbH



Live Panel plant wall with fully automated irrigation, project: Clinton, in cooperation with Architekturbüro Kaiser, dimensions: 7000 x 2000 mm, image: Andreas Schwarz for Freund GmbH

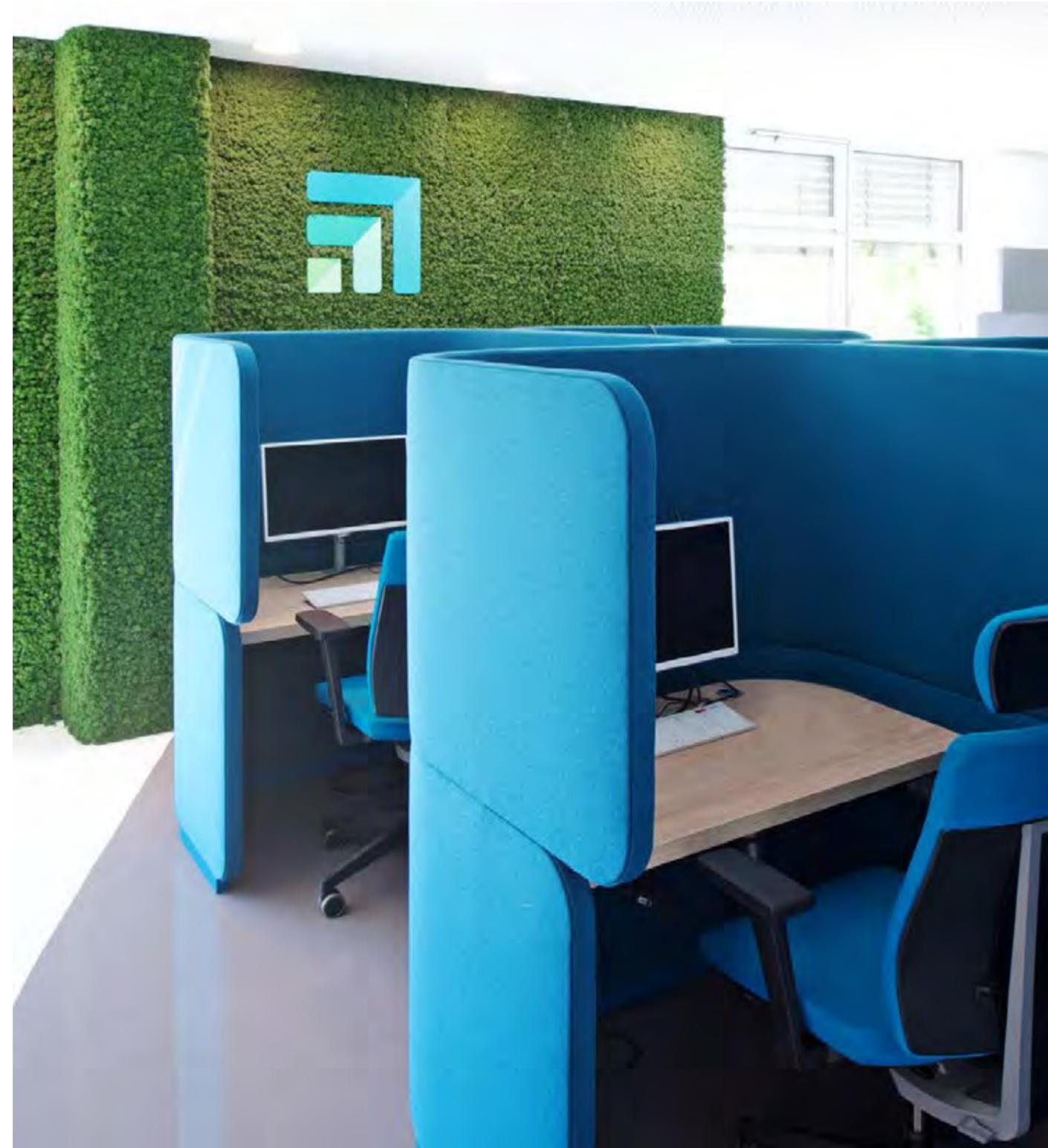


Spaces with particularly large, open co-working areas need good acoustic solutions for a high level of concentration and productivity – such as our acoustically effective moss wall.

Moss wall made of Evergreen Premium Moss, colour: moss green, project: WeWork Waterhouse Square London, design: Oktra, Partner: Innerspace Cheshire, image: Corrine Noel Photography for Freund GmbH

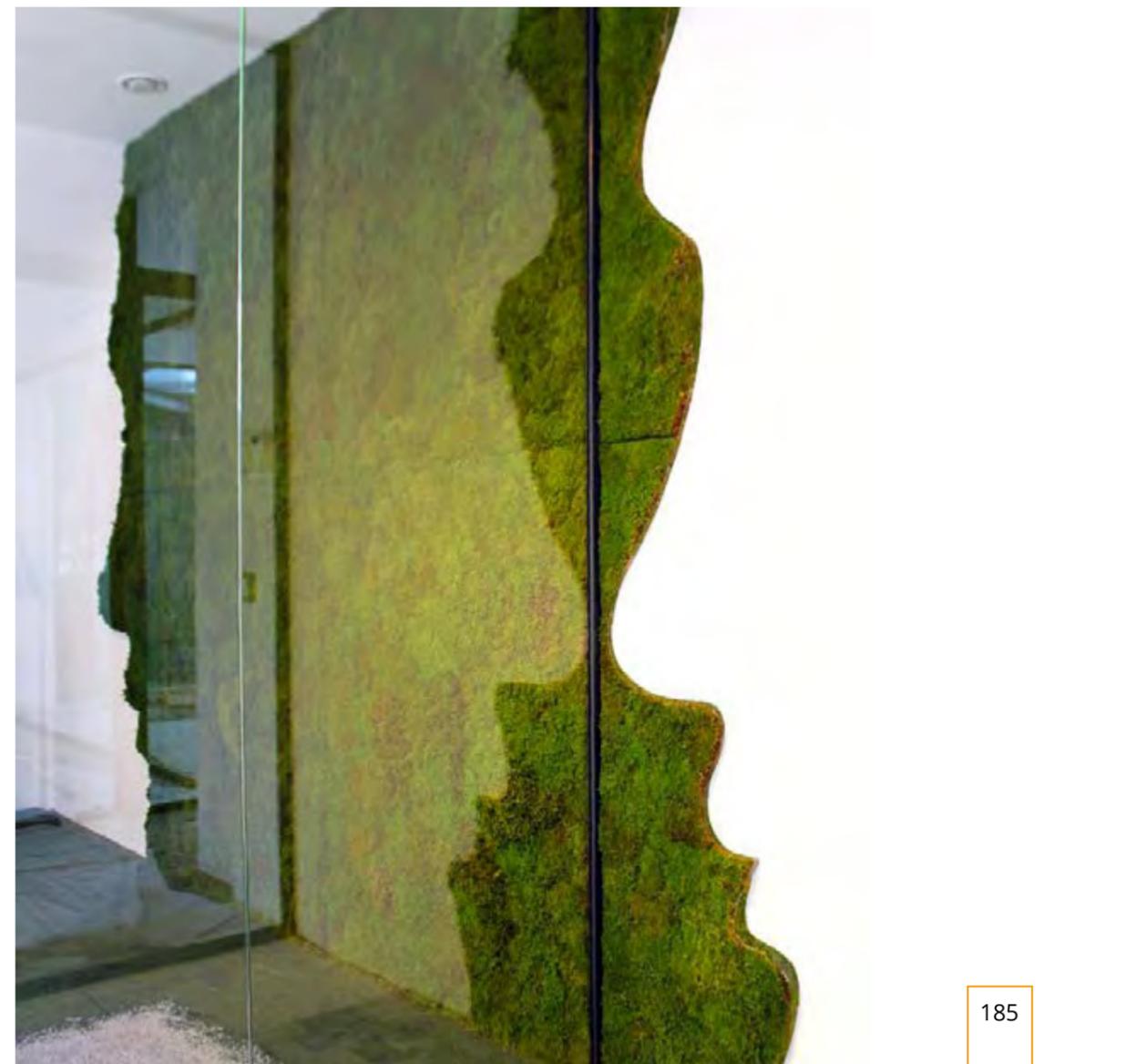


Moss walls with attached bespoke logo elements were staged for the company CARELINE. project: CARELINE KG Dormagen, Atrium and offices, design: Ulla Blennemann, interior designer, images (left and right): Elena Hill Photograph





The design of the offices of Connect Sense featuring natural materials adopts the corporate design of the company in several places and turns it into a large showroom. Images (left and right): Meik Terrahe





Moss elements for the office also allow you to implement your own corporate design – as shown here by the example of Postbank in Bonn. Images (left and right): Andreas Schwarz for Freund GmbH



Evergreen Moss Premium, colours: apple green and moss green, with logo elements, project: Postbank Bonn

## DELIGHTFUL DESIGN FOR RESTAURANTS & MORE

A high value is characteristic for concepts in modern restaurants and in lifestyle-oriented companies.

High-quality, natural materials are just as much a feature of interior design as a growing trend of individual furnishing elements.

The variety of possible combinations of our products contributes to a distinctive look of your project.



The combination of the two material categories GREEN (Evergreen Moss) and NATURE (poplar bark) creates an individual touch and shows a unique hospitality brand concept, project: Restaurant MUN, Munich, images (left and right): Andreas Schwarz for Freund GmbH



Greenhill moss spheres made of natural cushion/bun moss, acoustically effective, project: Weissglut, in cooperation with Tischlerei Fellner, image: Photography Summer



Greenhill wall picture and moss spheres made of natural cushion/bun moss, acoustically effective, project: Weissglut, in cooperation with Tischlerei Fellner, images: Photography Summer



A simple system of Greenhill moss roof cassettes in 500 x 500 mm format is naturally beautiful and provides good shop acoustics at the same time.



Greenhill, ceiling design with cushion/bun moss, project: Struwelpeter pharmacy, architect/images: Markus Reichenbach

## SPOT ON! EVENTS, FAIRS & PROMOTION

### NATURAL MATERIALS IN PUBLIC SPACE

The ambition for sustainable architecture, which considers socio-cultural aspects as well as economic and ecological qualities, is constantly growing.

At the heart of this movement is the goal of achieving harmony between people, space and the environment. Such values should also be taken into account and applied for events and trade fair presentations.

Especially in Germany, the components used must conform to a special functional standard. Rules and standards require that materials installed over a large area in public places must fulfil at least a B1 standard.

For trade fair construction B1 certified (i.e. flame retardant) materials are essential as well.

This attribute is not easily achieved when using natural materials and it requires many years of experience and competence in dealing with materials and authorities.

Freund GmbH is already able to guarantee B1 certification for the GREEN product line materials since many years.

#### Fire protection (B1/A1) tested materials:

- Evergreen
- Greenwood
- Greenhill
- Alusion (A1)

Other Freund materials are in the process of being tested.



Evergreen Premium moss wall as part of ambient billboards, within the campaign of the Römerquelle, image: Gewista

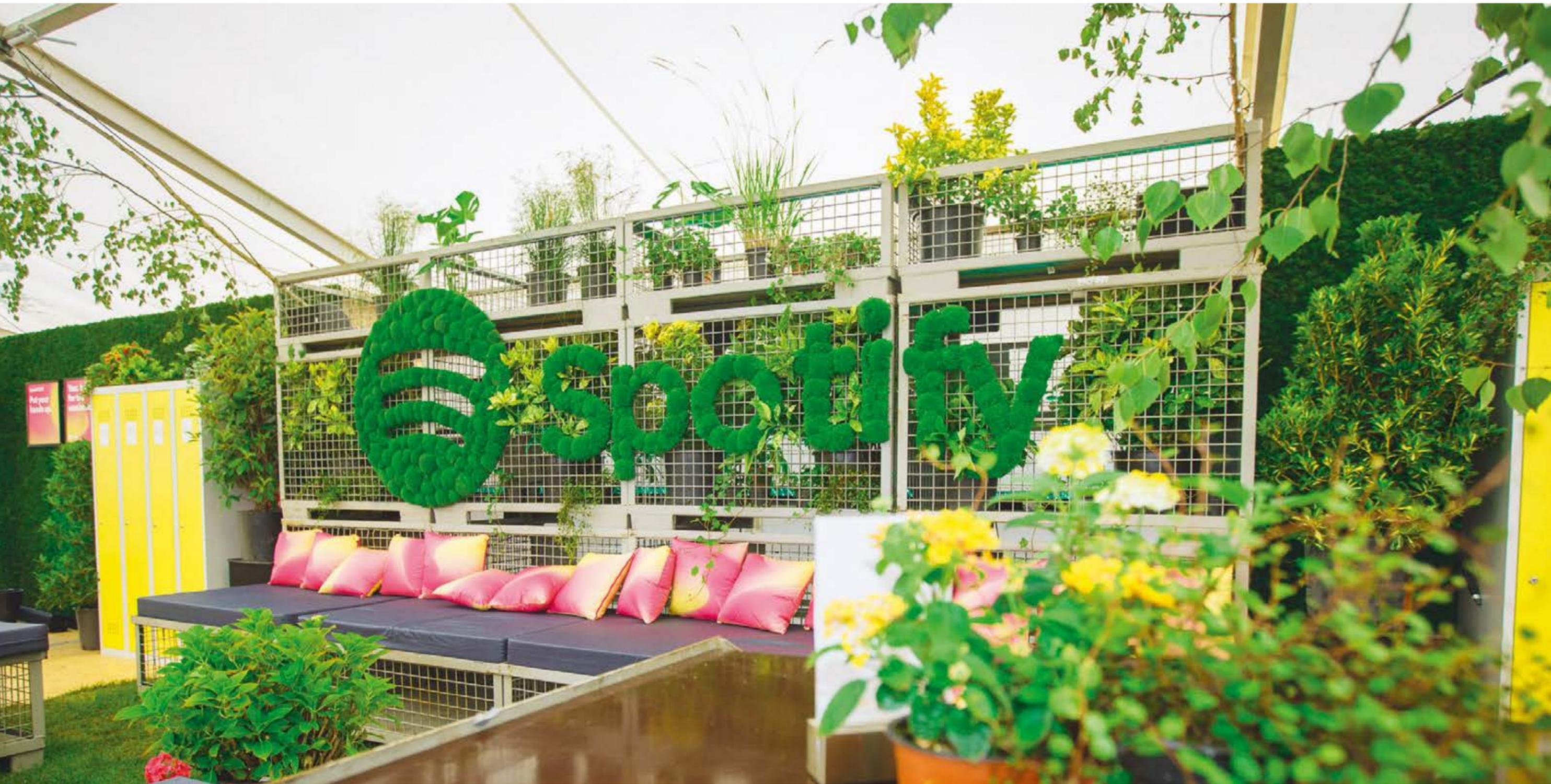


Evergreen Premium mosswall in a special shape, colour: moss green, project: Water museum of the then European Capital of Culture Wroclaw, image: Freund GmbH



Moss letters made of Greenwood forest moss for a giant mural commissioned by Bionade, in collaboration with Webguerillas Territory, realized by Outframe and Cromatics, images (left and right): Outframe





Moss letters and logo made of Greenhill cushion/bun moss combined with Evergreen premium moss walls, colour: moss green, project: Spotify Artist Lounge area within the Hip Hop Festival Splash! in cooperation with Gemeinsame Sache GmbH & Co. KG, image: Stefan Flad



Evergreen Premium, colour: black, project: display for Tom Dixons Multiplex in Milan



Evergreen Premium, colour: black, project: Tom Dixon booth, MAISON&OBJET PARIS



Evergreen Premium, colour: ocean blue, project: Tom Dixons Multiplex Galleria at the Antikshop, at Salone del Mobile Milan, image: Tom Dixon / WangWei



Evergreen Premium, colour: moss green  
project: exhibition booth Meggle, Barcelona, realized with Atelier Damböck, image: Studio Damböck



Moss tree installation with Evergreen Premium moss spheres, colours: apple green and moss green at the FertighausWelt Günzburg 2016, the most modern pre-built house exhibition in Europe. (Images: BDF)



Moss tree installation with Evergreen Premium Moss spheres, colours: apple green and moss green, project: FertighausWelt Günzburg 2016 (image: BDF)



Greenwood Mooswand 3D, project: Spa area in Hotel Gerl, Salzburg, image: [www.360perspektiven.at](http://www.360perspektiven.at)

## FITNESS, WELLNESS & SPA

### NATURE AND HEALTH

Wellness and spa areas are places of retreat and relaxation which deserve special attention. We only feel comfortable here if the „complete package“ is perfectly fitting.

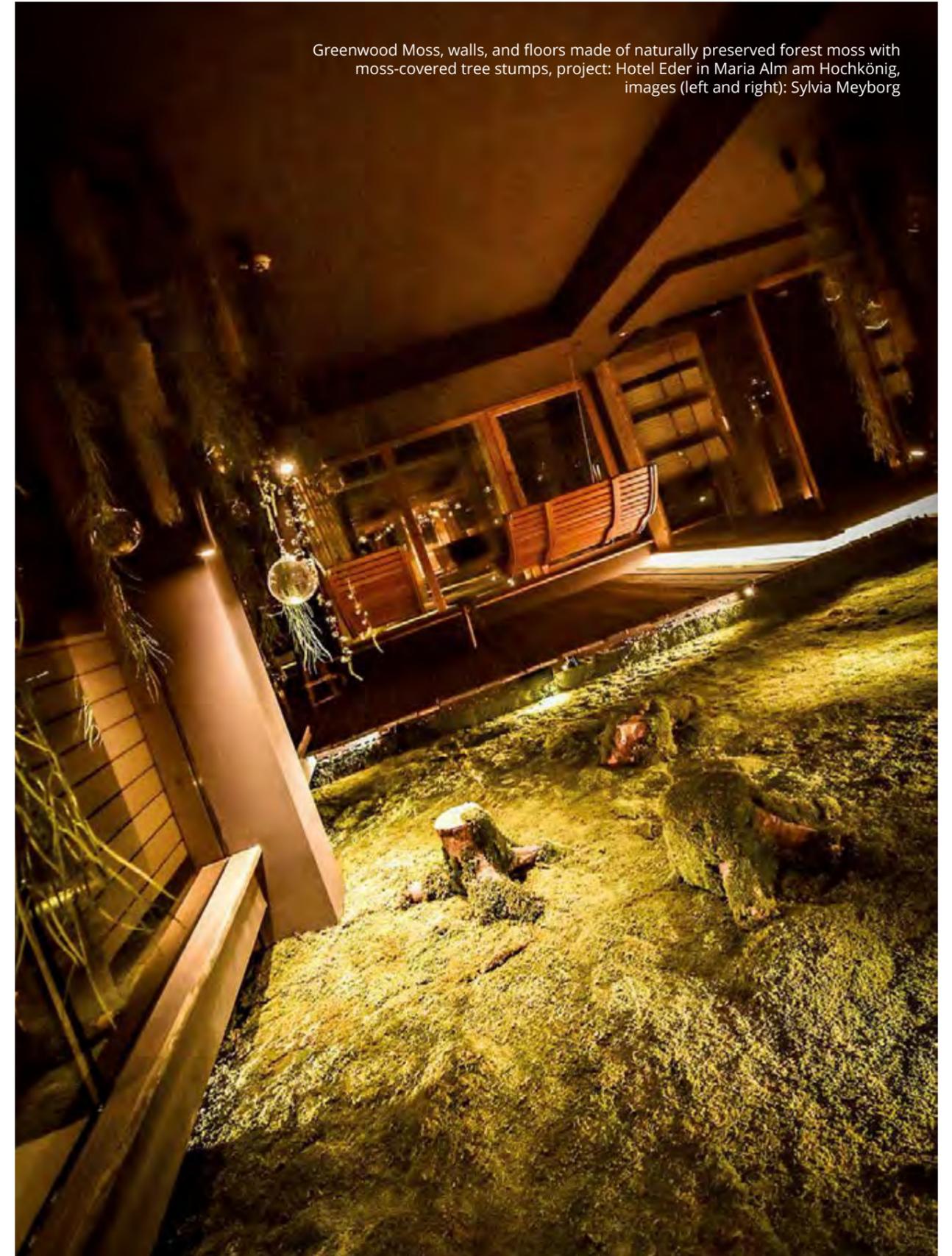
The key to well-being is besides the use of exceptional materials and smooth colours a pleasant room acoustics. Whether the real bark from the poplar tree or the natural moss from our Evergreen Premium: The materials of Freund GmbH touch all senses and have a positive influence on your health.

With the green products you design your oasis of comfort, that does not need water or care.

- Moss walls and pictures
- Moss room divider
- Room humidifier
- Plants and trees



Evergreen Premium, colour: apple green  
project: Rest rooms at the Fitcenter Hallein, Austria, images (left and right): Coen Kossmann



Greenwood Moss, walls, and floors made of naturally preserved forest moss with moss-covered tree stumps, project: Hotel Eder in Maria Alm am Hochkönig, images (left and right): Sylvia Meyborg

A cosy evening by the fireplace,  
only surrounded by nature.



Evergreen Premium: What a haptic experience!



The Scented Wall, Hotel Die Wasnerin G'sund und Natur Bad Aussee,  
image: Alexander Koller, architects: Viereckarchitekten



Evergreen Premium, „Seerosenteich“, Hotel Seerose, Cocon Thai Spa at Lake Hallwilersee, image: Stöh Grünig



Greenhill, moss beneath glass with lighting, project: The Purist, image: studioraum GmbH



Greenhill detail view



# THE FUTURE: MOOS IN THE CITY



Created by Asierromero - Freepik.com

## GESUNDHEITSRISIKO STADTLUFT

Taking a deep breath is becoming increasingly problematic, especially in large cities. The reason: health-threatening particulate-matter pollution.

Where do these many small invisible particles come from, which are harmful to our health? In addition to natural causes (such as soil erosion, plant spores or pollen), human-caused emissions are primarily responsible for the invisible micro-particles in the air.

They come from power plants and district heating stations, radiators and ovens in private homes, they are produced in the course of the production of industrial metals and steel, or also during handling of bulk solids.

Another major cause of particulate pollution is heavy traffic in the urban centres. The emissions from the vehicles' combustion process (especially diesel engines) often exceed the permitted limits, abrasion from brakes and tyres also generates fine dust. Whirled up street dust is another fine dust multiplier.

Depending on the size, the constantly increasing microparticles in the breathed air can enter the nasal cavities, bronchi, lung tissue and even the blood. That way they are often the cause of

- **Dizziness and headaches**
  - **Respiratory distress (especially for asthmatic persons)**
  - **Strokes**
- and many other health problems.

Since 2005, attempts have been made to improve the situation in favour of human health through Europe-wide limit values and measures such as environmental zones. But particularly on high traffic roads, these limits are frequently exceeded.

This is why a unique pilot project was launched in Stuttgart: installed walls of moss to reduce fine dust pollution. Freund GmbH's moss experts advise, observe and supervise the project.



First pilot phase: A 100 metre long moss wall along a busy road in Stuttgart. The purpose of these measurements is to test the moss' particulate reduction properties in practice. image above: dpa / Lino Mirgeler; image below: dpa / Franziska Kraufmann

## MOSS AGAINST PARTICULATE MATTER: THE NATURAL SOLUTION FROM THE MOSS EXPERT

### FROM THE LABORATORY TO THE FIELD TEST

The pilot project „Moss Wall“ - an approx. 100 m long moss wall on Cannstatter Straße – is the first long-term test outside the laboratories and under the scientific supervision of the University of Stuttgart.

The test is intended to demonstrate how strongly mosses are capable of reducing fine dust in practice.

The moss wall near the so-called „dirtiest crossroads in Germany“ is three metres high and is intended to clean the polluted air by not only absorbing the pollutants, but even degrading them. At least that's the plan.

### WHY MOSS?

The small, poikilohydric mosses have a very special attribute: their densely growing leaves give them an extremely large surface. Unlike flowering plants, mosses do not extract nutrients and water necessary for their growth from the soil because they have no roots.

Instead, they absorb both via the cell walls of their numerous leaves. This means when it rains (or when their numerous small leaves are moistened in some other way), they absorb water. At the same time, with the moisture, they absorb everything else that is on the surface. This also includes, for example, the finest fine dust particles that previously collected electrostatically on the moss leaves.

Other things the moss leaves are good at:

- Absorption of air pollutants
- Filtering dissolved pollutants from rain water
- Production of oxygen
- Conversion of mineral fine dustparticles in phytomass
- Air humidification through slow release of water stored in the leaves
- Reduction of organic pollutants by bacteria on moss surface



image: dpa / Lino Mirgeler



The structure: Different types of moss are applied to a fleece, the additional slings protect against wind erosion. When rolled, the mats are easy to be transported for the installation.



## INNOVATION & ENGINEERING FOR URBAN FUTURE

Aside from rainwater drainage reduction, noise absorption and microclimate improvement, other pleasant side properties of moss use include the effect that more green areas are being created in the city.

There are around 16,000 known moss species, some of them already existed in their present form more than 45 million years ago. We have over 35 years of experience as moss experts and know exactly which moss species are most suitable for the maintenance-free moss mats of our subsidiary Greenview GmbH, depending on their biological preferences.

The completely recyclable vegetation mats consist of a mixture of different European moss types, applied to a water storing fleece, with a sling fabric made of polyamide. The installation is very simple.

### ADDITIONAL ADVANTAGES:

- Low weight
- Durability
- Cost-efficiency
- Shade-tolerant quality

These moss mats we developed with our expertise can be applied to almost all types of substrates: Either horizontally on rooftops and slanting roofs, or even vertically, as is the case on the Stuttgart moss wall (with corresponding patented irrigation systems). The measurements on the pilot project will be completed by the end of the year, and we are confident that the continuous development of our outdoor moss products will contribute to a future with healthier air and greener cities.



Moss installation in a special shape within the urban cityscape



We will be glad to advise you on our products and the possibilities to use our product lines **GREEN NATURE ELEMENTS** in your next project.

Trust in our long time experience, share your visionary ideas with us and together let us bring a piece of nature into your rooms.

Your team of Freund GmbH



Freund GmbH, Team Marketing & Sales, image: Andreas Schwarz

from left to right: Caroline Herf, Frank Wollitz, Uwe Sonnenschein, Raika Beusterien, Nina Freund, Josef Freund, Susanna Wollitz, Josefine Freund, Sebastian Busse, Antje Bunzel



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