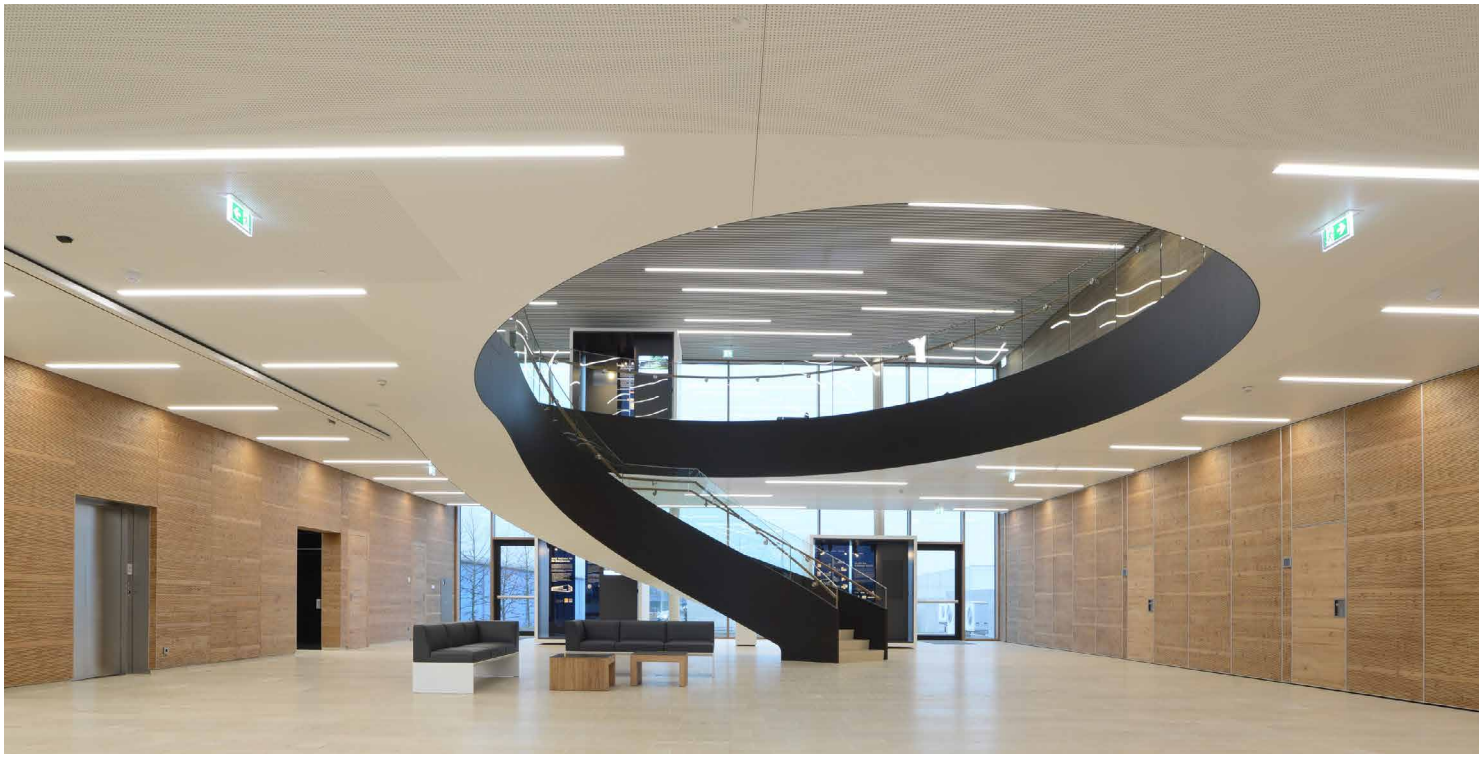
paraSILENCIO



paraSILENCIO and dukta® – flexible wood

ACOUSTIC IN HIGH QUALITATIVE DESIGN

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Holz in Bestform

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Photography
dukta® GmbH
Uli Funke – www.funke-design.de

Conception + design
Büro für Kommunikation + Gestaltung
www.conceptbay.de

OUR PRODUCTS

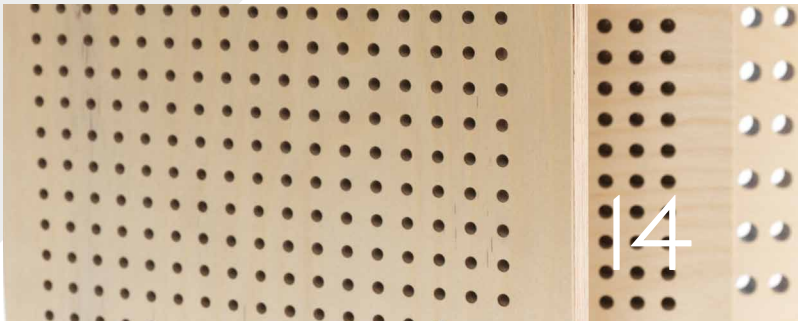
NATURAL SOUND INSULATION WITH TIMBER SOUNDABSORBERS

EXCLUSIVELY BY US
dukta® – FLEXIBLE WOOD

Experience the revolutionary range of **dukta®** exclusively by paraSILENCIO. Flexible sound absorbers for particularly high demands.

PERFORATED ACOUSTIC PANELS

Perfect acoustic for all interiors. A real allrounder which offers a variety of design options.

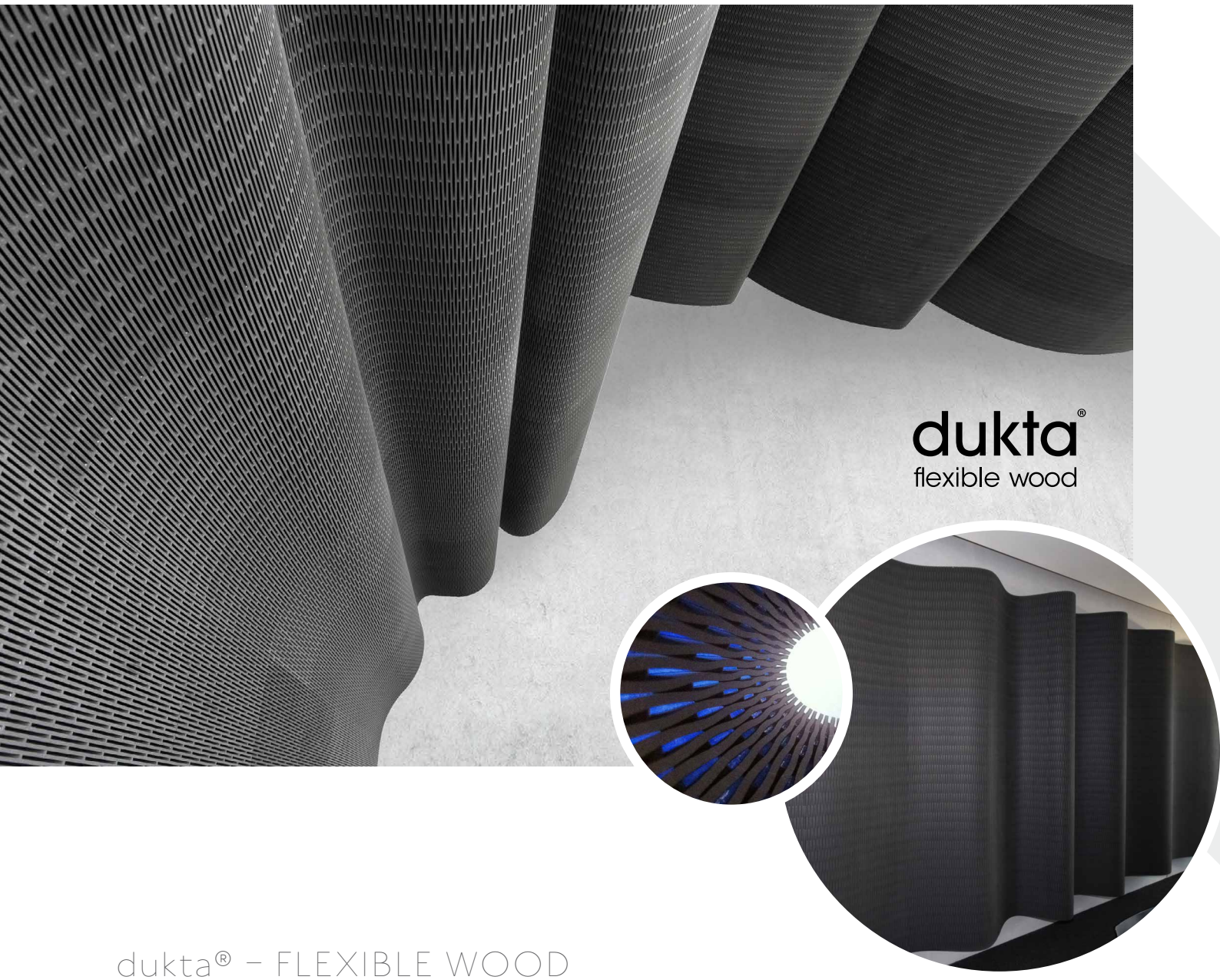


ACOUSTIC GROOVE PANELS

Wall covering and ceiling lining with unlimited possibilities.

ACOUSTIC ELEMENT
PHONE STOPP

Whether as a micro-perforated acoustic panel or a groove panel – our acoustic element Phone Stopp creates optimal sound absorption in acoustically high-demanding rooms.



dukta® – FLEXIBLE WOOD

A NEW TECHNIQUE WITH SURPRISING RESULTS

ASTONISHING VARIETY DUE TO NEW PROPERTIES

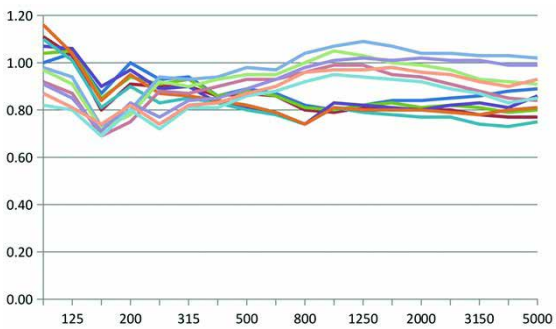
Dukta® is an innovative incision process to make wood and engineered wood flexible. Due to these incisions the material gains textile-like properties, which enhances its applications and its qualities. With its new technique and characteristics dukta® broadens the horizon for interior construction and design.

HIGH SOUND ABSORBING EFFECT

Measurements made by EMPA Schweiz (Swiss Federal Laboratories for Materials Science and Technology) confirm the high absorption properties of curve-shaped dukta®-acoustic elements through all frequencies. Dukta® reaches equally high sound absorption values as other absorber products implemented in certain areas.

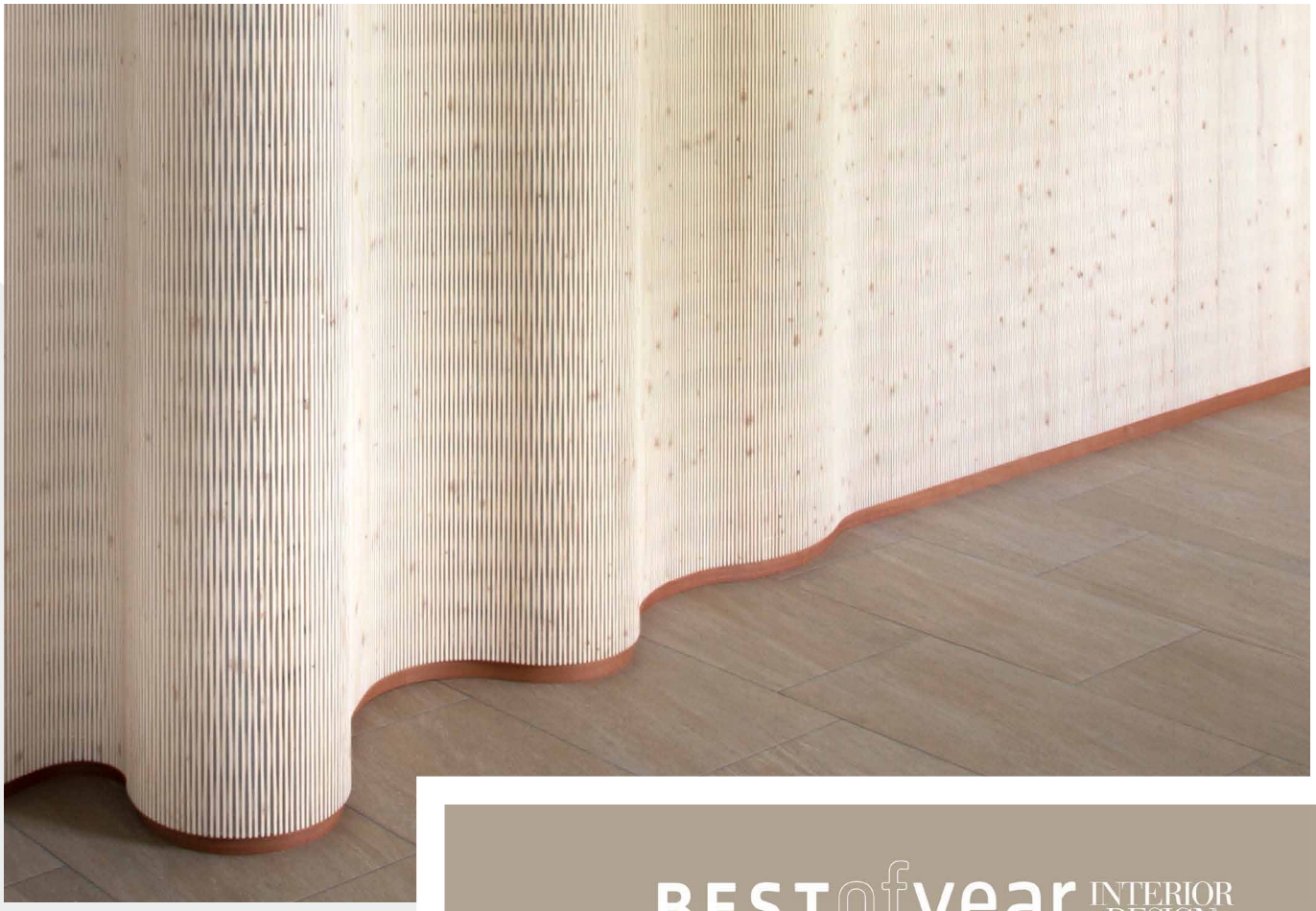
Dukta®-acoustic elements are suited to acoustically sensitive rooms such as recording studios, cinemas, concert halls, restaurants, foyers, teaching rooms etc. The exquisite acoustic properties and the appealing aesthetic create spatial experiences to the highest standards.

Sound absorption value – corrugated dukta®-panels



dukta®-DIVERSITY BY paraSILENCIO

INDIVIDUAL DESIGNABLE WALL -, CEILING- OR ROOM APPLICATION



BESTofyear INTERIOR DESIGN 2015

INDIVIDUALITY OF WOOD

Dukta®-semi-finished are based on a patent which makes wood and engineered wood flexible. Due to the bendability and transparency the one or double-sided incised engineered wood panels offer a variety of design options.

They are particularly suitable for sound absorbing wall and ceiling applications as well as freestanding partitioning walls. These panels (three-layer-panels, plywood or MDF) can – upon request – be back-coated with acoustic fleece. Surface treatments are also possible.

dukta® AWARDED

Best of Year Award Interior Design 2015
Winner in the category „Unexpected use of natural materials for interiors“

Design Preis Schweiz
2011 Nomination

Holzpreis Schweiz
Prix Lignum 2009 Hauptpreis Region Nord

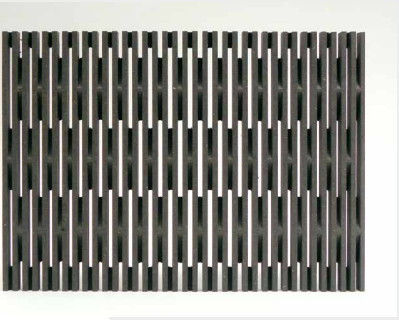
Ideenpool holz 21
2007 Anerkennungspreis

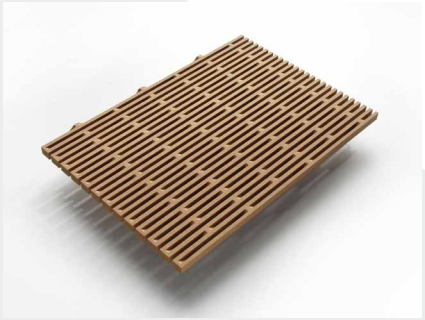
design preis schweiz

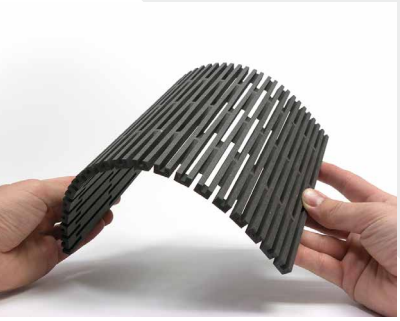
holz 21

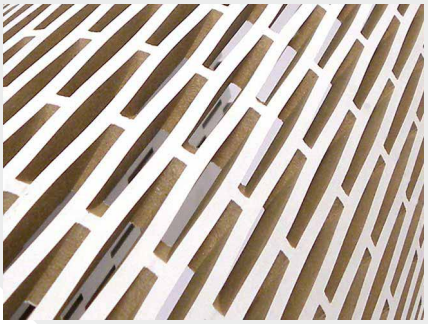
Lignum

dukta® **SONAR**









dukta® **SONAR**

CROSS SECTION
Dukta®- **SONAR**'s regular incisions in longitudinal direction are discontinuous on the surface. Thereby results vertical lines as well as horizontal lines as a visual effect. In this way, the front and reverse side have a different look. Application areas are mainly ceiling- and wall panels.

MATERIAL
MDF E0, EI

SURFACE TREATMENT
Double-sided spray-lacquered, rolled, veneered or oiled

BACK-SIDE
Ideally coated with acoustic fleece

STANDARD SECTION
4 mm groove / 4 mm bar

MIN. BENDING RADIUS
ca. 80 mm

OPEN AREA
20 %–40 %

dukta® LINAR

CROSS SECTION
The incisions of dukta® **LINAR** are regular and continuous on the surface. As a visual effect, this arrangement creates a calm and homogenous surface. Front and reverse side look clearly different. Application areas are mainly ceiling- and wall panels.

MATERIAL
MDF E0, E1
Black and natural
Plywood, 3-Layer Board

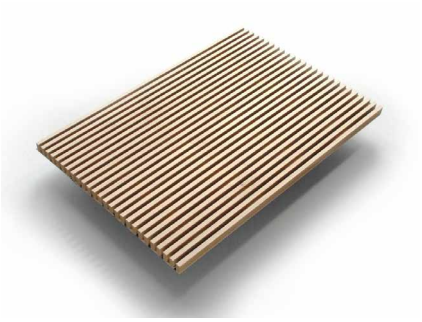
SURFACE TREATMENT
Spray-lacquered or oiled

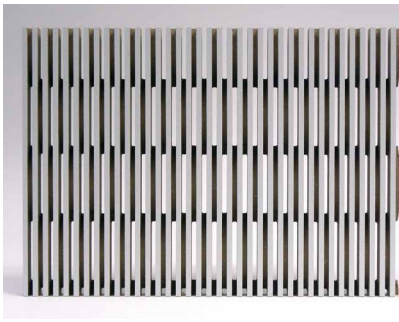
BACK-SIDE
Ideally coated with acoustic fleece

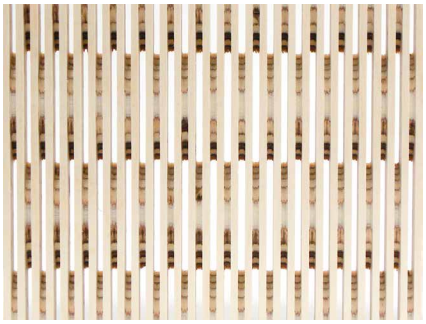
STANDARD SECTION
4 mm groove / 4 mm bar

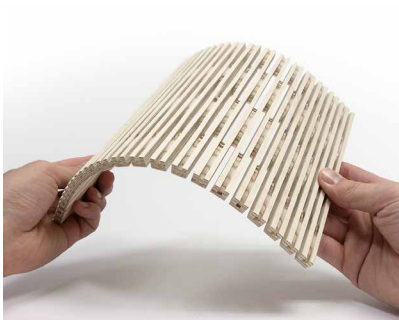
MIN. BENDING RADIUS
ca. 80 mm

OPEN AREA
20 %–40 %





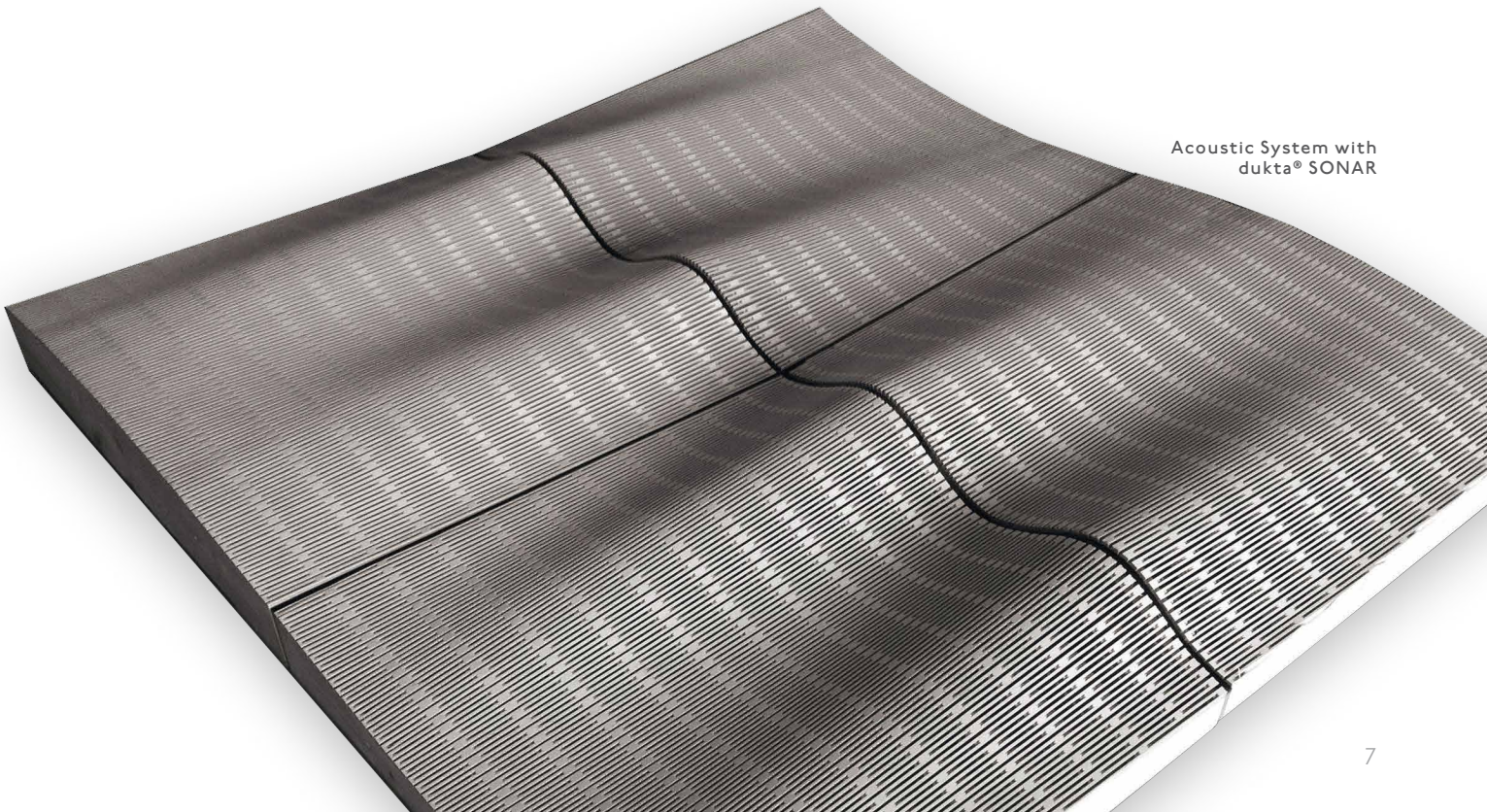




ACOUSTIC SYSTEM

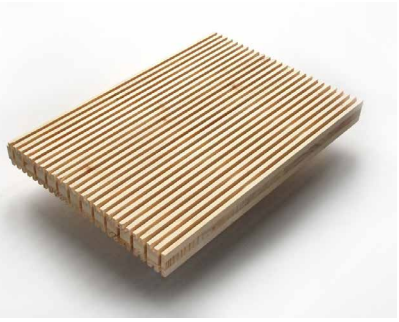
The cross section of dukta®-acoustic system complies with dukta® **SONAR**.

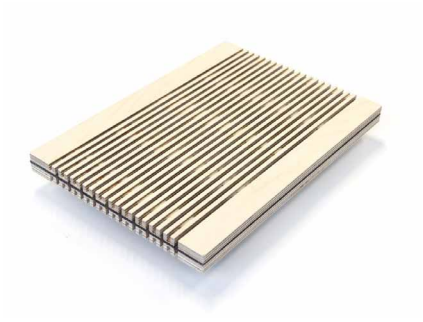
- dukta®-acoustic systems are pre-assembled wall- and ceiling panels which help you to get the desired room acoustic.

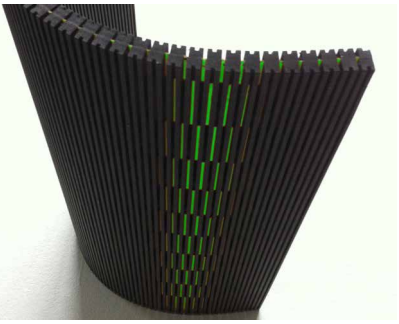


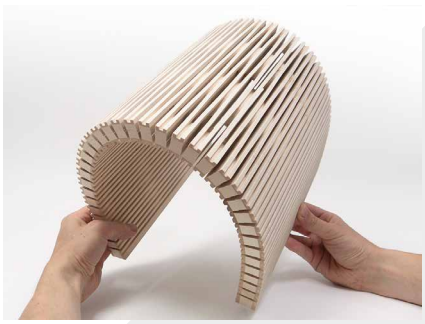
Acoustic System with dukta® SONAR

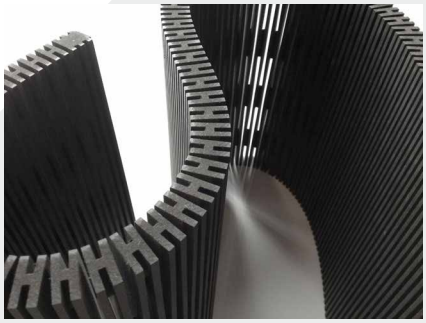
dukta® JANUS & JANUS TEX











dukta® JANUS & JANUS TEX

CROSS SECTION

The incisions of dukta®-**JANUS** are applied on the front and the back of the board and allow even thick boards to bend around a small radius. Janus has the same visual appearance on both sides and is therefore suitable to be used as freestanding partitions.

JANUS TEX contains a textile interlayer. This layer can either be manufactured with colored fabric or – individually – manufactured acoustic active felt.

MATERIAL

MDF E0, EI 25 mm
3-layer spruce 27 mm
3-layer maple 26 mm

SURFACE TREATMENT

Double-sided spray-lacquered, rolled, veneered or oiled

STANDARD SECTION

4 mm groove / 4 mm bar

MIN. BENDING RADIUS

ca. 120 mm

OPEN AREA

20 %–40 %

dukta® PARTITION WALLS

The double-sided incisions in dukta® **JANUS** and **JANUS TEX** (textile interlayer) allow the creation of flexible, semi-translucent, free-standing partition walls. They are excellent for large offices, public spaces or private areas.

Upon request the partition wall can be fixed or movable with rollers to increase their mobility. According to your wishes we are looking forward to implement your ideas and proposals.

dukta® **FOLI**

dukta® **FOLI**

CROSS SECTION
The lenticular and conical incisions of **FOLI 1** are applied in a longitudinal direction and are clearly detached. The incisions of **FOLI 2** are continuous and on the surface. The lenticular incisions create a playful and vivid visual pattern. Application areas of dukta® **FOLI** in visual and acoustic spatial design are mainly ceiling- and wall panels.

MATERIAL
MDF E0, EI black or natural Plywood

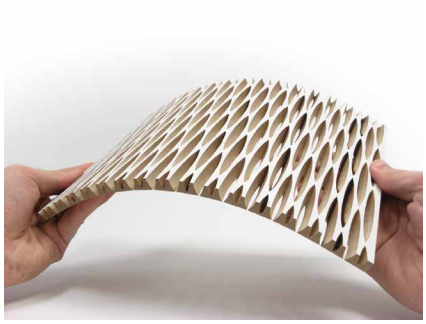
SURFACE TREATMENT
Double-sided spray-lacquered, rolled, veneered or oiled

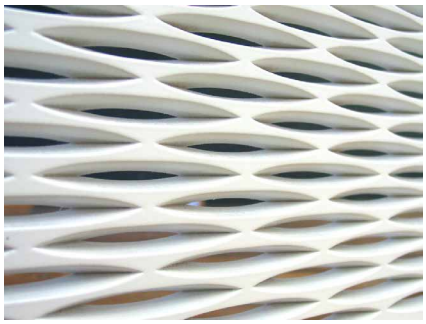
BACK-SIDE
Ideally coated with acoustic fleece

STANDARD SECTION
4 mm groove / 4 mm bar

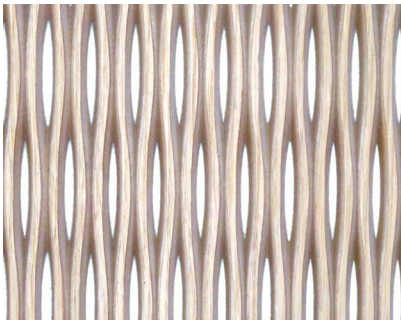
MIN. BENDING RADIUS
ca. 200 mm

OPEN AREA
15 %–25 %





FOLI 1



FOLI 2

dukta® LUMBRA

dukta® LUMBRA

The lamp is made from birch plywood and can be used both with and without lampstands. The satin acrylic glass produces pleasant and evenly diffused light using the inbuilt LED's. Therefore, **LUMBRA** is the ideal light for a living room, a bedroom or to put on a sideboard. The incisions allow the light to cast through the wood creating atmospheric shadows.

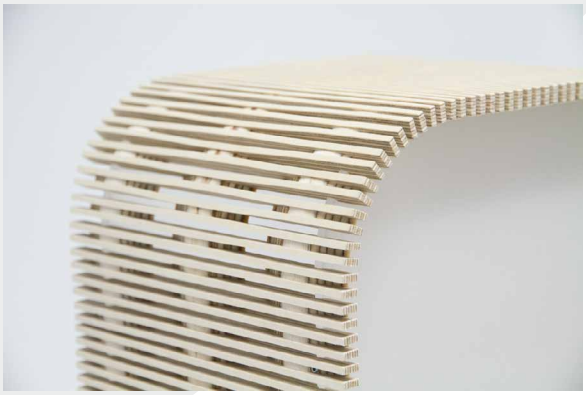
MATERIAL
Birch plywood, 9 mm

SIZE
H 650 mm x W 450 mm x D 180 mm

DIFUSOR
Acrylic glass satin

LIGHTS
LED-Stripes / 9.6 watt

ACCESSORY
Foot switch
Dimmable switch (not included in the price)



dukta® **RAYA**

dukta® **RAYA**

The light **RAYA** is composed of a single concentrically cutted, circular plywood segment. Due to the puzzle-like closures, the lampshades can be connected and formed into a conical shape. The colored inner parts and mirrored LED's radiate a warm light, which casts wonderful shadows. With appropriate support they can also be used as wall lights.

MATERIAL
Poplar plywood, 6 mm

SIZES Ø
220 mm, 320 mm, 370 mm

COLOUR INSIDE
Natural, golden, white
(further colors on request)

LIGHTS
LED vision bulb with mirrored top
3.5–4 watt

ACCESSORY
Bulb Holder
Brass, fabric wires,
Black, 2 m
Ceiling canopy, black metal, brass
(not included in the price)

dukta® ORA

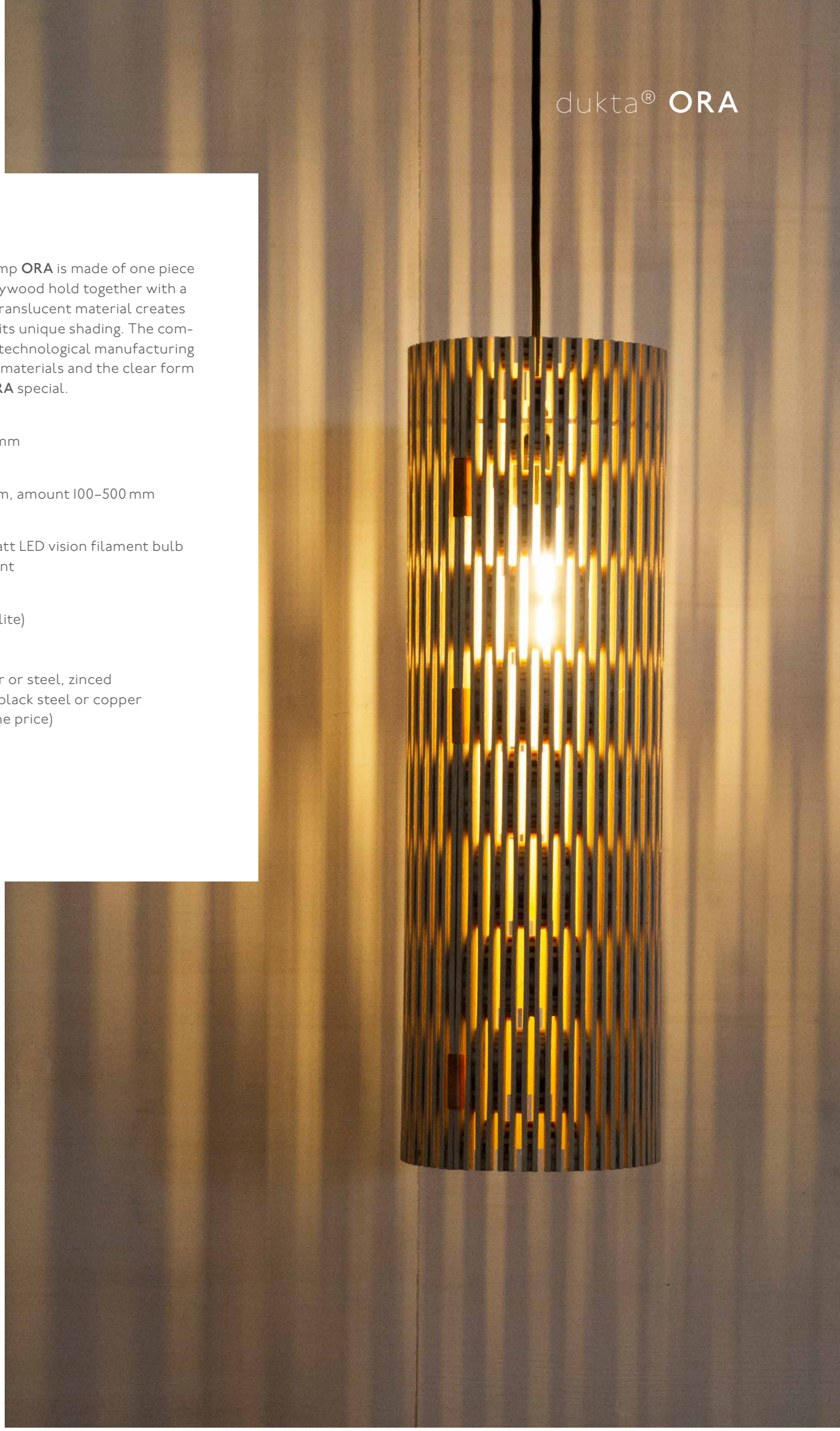
The cylindrical lamp **ORA** is made of one piece of incised birch plywood hold together with a copper clip. The translucent material creates a warm light with its unique shading. The combination of a high technological manufacturing process, the vivid materials and the clear form make the lamp **ORA** special.

MATERIAL
Birch plywood, 9 mm

SIZES
Height 180–400 mm, amount 100–500 mm

LIGHTS
LED-retrofit / 8 watt LED vision filament bulb
matt or transparent

ACCESSORY
Bulb holder (bakelite)
Fabric wires,
black, 2 m
Brackets in copper or steel, zinced
Ceiling canopy in black steel or copper
(not included in the price)



PERFORATED PANELS

PERFORATED PANELS

APPLICATION

Whatever the acoustic surrounding may be – conference rooms, gymnasiums or class rooms – our acoustic elements create exquisite and unique room acoustics.

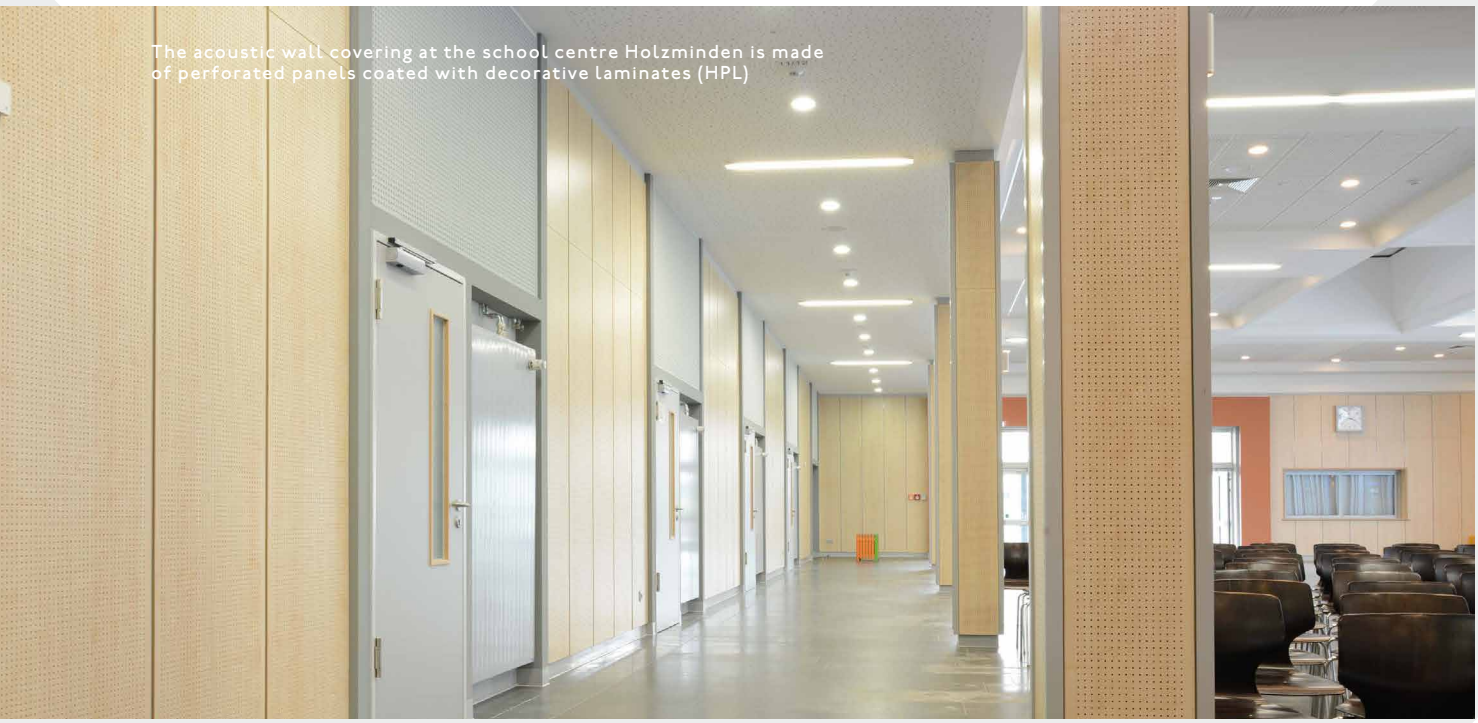
The acoustic elements can be customized according to your projects needs.

The Perforated Panels are certified for the use in gymnasiums and other sport facilities.

DESIGN

Our perforated panels can be combined with all common flat girder panels, coverings and surfaces.

A non-perforated rim design is also possible, as well as sections for ventilation etc.



The acoustic wall covering at the school centre Holzminden is made of perforated panels coated with decorative laminates (HPL)

Perforated ceiling tiles at the canteen Aschenberg

GROOVE PANELS

GROOVE PANELS

Acoustic groove panels can be used as ceiling and wall coverings with nearly infinite possibilities.

DESIGN

The front side of the panel is grooved and by this it gives the room structure and direction. The different groove widths have distinctive sound absorbing qualities.

BACK-SIDE

The backside is discontinuously grooved. Ideally the backside of the panel is covered with acoustic felt creating a homogenous appearance.

WIDTH

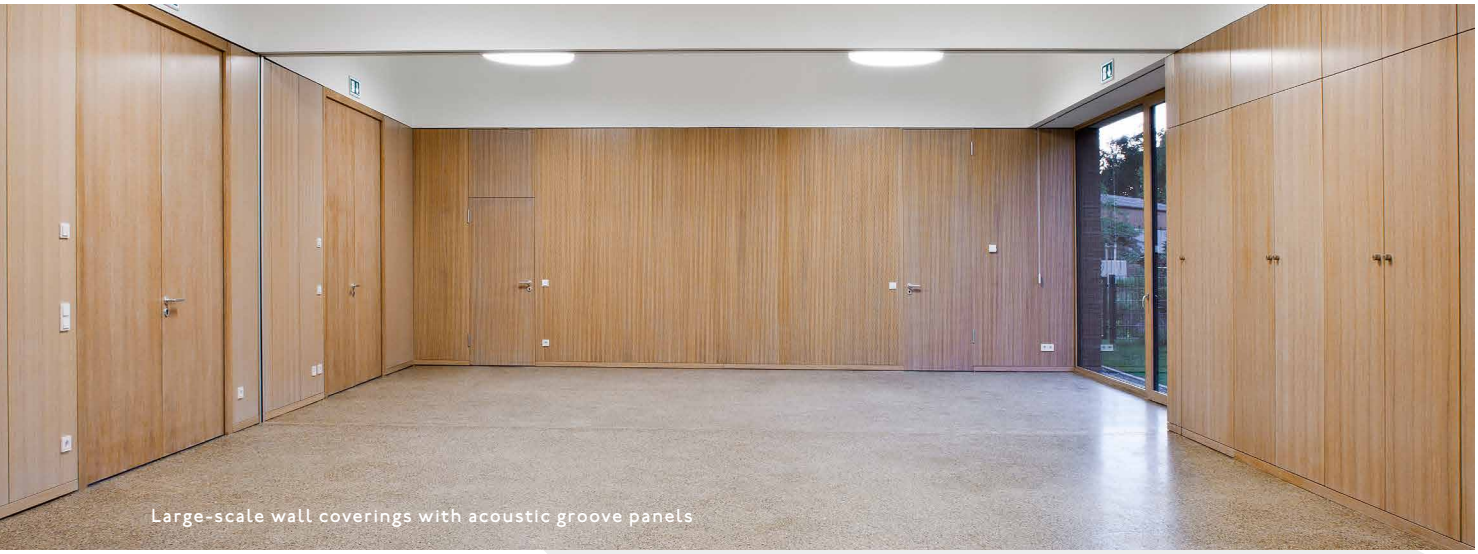
The acoustic groove panel is available in a standardized width of 128 mm overlaying with groove and spring bonding.

LENGTHS

2040 mm and 2780 mm; Excess lengths on request.

DESIGN VARIANTS

Groove	Web width	Opening
2 mm	6 mm	12,5 %
2 mm	14 mm	6,25 %
3 mm	30 mm	5,9 %
3 mm	13 mm	9,4 %
3 mm	5 mm	18,7 %
4 mm	12 mm	12,5 %
4 mm	28 mm	7,15 %



Large-scale wall coverings with acoustic groove panels

PHONE STOPP

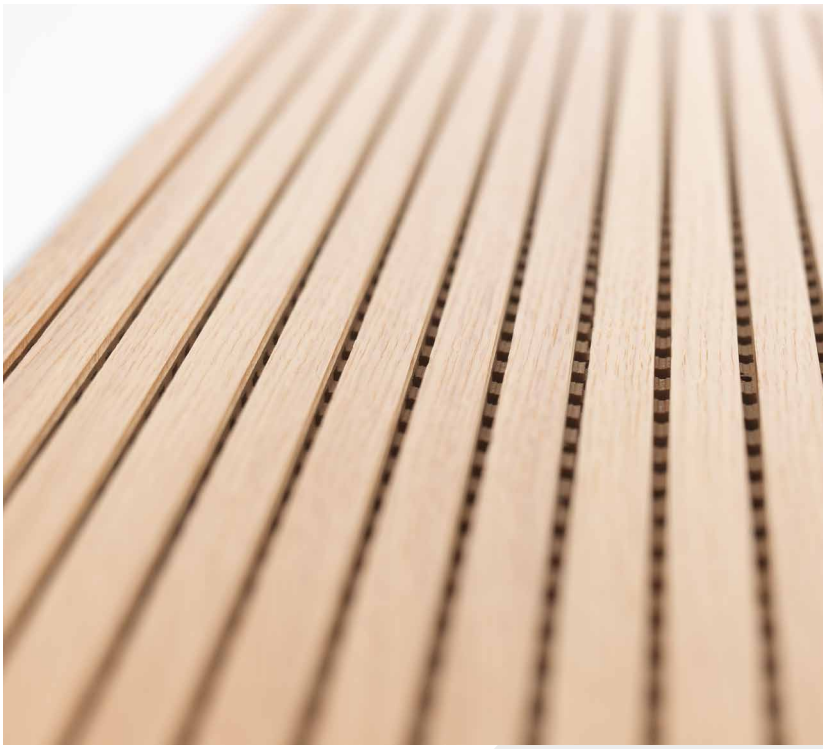
The acoustic module PHONE STOPP is a micro-perforated or grooved sound-absorbing panel with an acoustically active core and an inset acoustic felt. The use of mineral fibre is no longer necessary.

DESIGN

The design allows the material to have a thickness ranging from 19 to 45 mm, according to your needs. Depending on your acoustic requirements micro-perforations from 1,2 to 6 mm are possible.

APPLICATIONS

Ideally the acoustic module PHONE STOPP can be used as a cabinet door, a ceiling sail, a partition element, a partition wall or a filling.



Micro-perforated wall covering at the vocational school Oldenburg

MATERIALS + VENEER

INFINITE POSSIBILITIES TO COMBINE ACCORDING TO YOUR REQUIREMENTS

MORE THAN 140 VENEERS FOR YOUR SPACE

A complete overview about our veneers you will find at www.paraSilencio.de/furnier-auswahl.html.

Be inspired!

MATERIALS

MDF B2 EI
Standard carrier plate for most of the applications, normally inflammable, equalization concentration of formaldehyde under 0,1 ppm

MDF B2, EO,5
Normally inflammable, but with an equalization concentration of formaldehyde under 0,05 ppm

MDF BI EI
Fire retardant version

MDF COLOR EI
Colored in yellow, red, blue or hard coal

PLYWOOD EI
Normally inflammable. With a V 100 gluing: suitable for use in damp rooms

PLYWOOD BI
Fire retardant

B2 AND FT OSB PANELS
Not suitable for groove panels

THREE-LAYER-PANEL B2 UND BI
Normally inflammable to fire retardant

A2 CEMENT- OR PLASTER BOUND SUPPORT PANELS
Fire retardant

FT PLYWOOD GLUING V 100
Suitable for use in damp rooms

HINT
Wood fiber products with the label EI can – in isolated cases – emit formaldehyde above the recommended level. This can be the case when the surface of the wood fiber product is highly enlarged through drillings or grooves.

Should this be important for you, we recommend to rank our acoustic products in the emission class E 0,5.

Needless to say, you can also get our products with a FSC-certification.

OUR PASSION FOR WOOD

EXPERTISE

Our long-standing experience in the industrial processing of furniture parts and wood products is the basis in our relation with you. All our products are self-constructed and processed at our company in Spenge, North Rhine-Westphalia.

QUALITY

On an area of approximately 2.000 m^2 we produce wood products and acoustic elements. We only use high quality, environmentally-friendly materials and personalize according to your requirements.

SERVICE

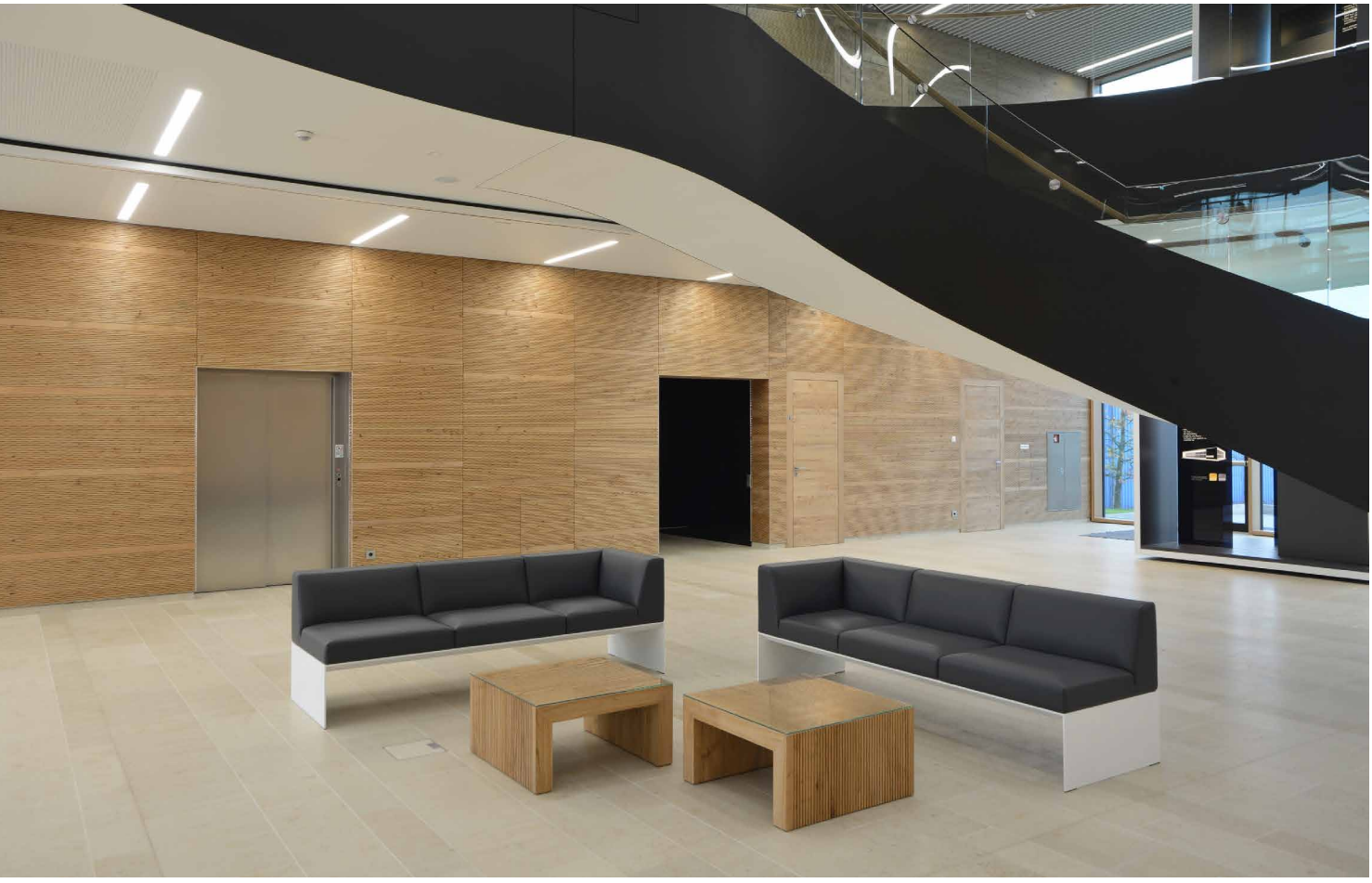
A swift, punctual and reliable delivery is self-evident and the cornerstone of our performance capability. We meet the high requirements of our customers with innovational design, creativity and a special awareness for quality, and we do so with great pleasure.

ECOLOGY

We are not only developing and processing acoustic design elements, we are also investing in our and our kids' future by using a solar power system which generates 50 percent of our electricity demands from solar energy.

paraSILENCIO

www.paraSilencio.de



If requested we will install our acoustic elements into your surroundings
like we did at the new Energy Campus from Stiebel Eltron

Version 3/2017