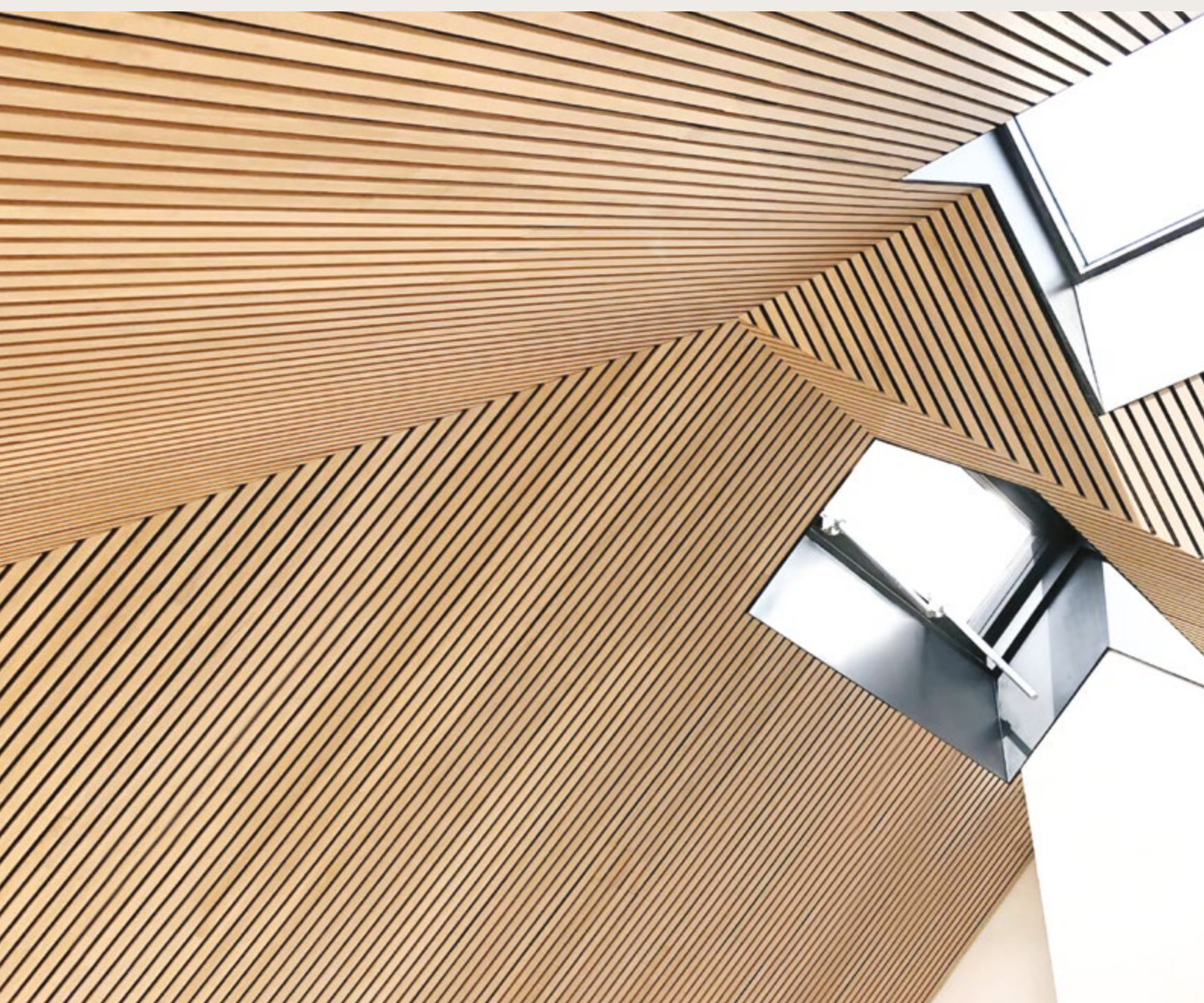




*Invite nature in.*



**ABOUT**

Imagine a room that's both beautiful and quiet. Where the acoustics are perfect, and the visual impression is discreet, calm and natural. That gives you a feeling of calm and peace of mind.

These are the kind of spaces we want to create with I-Wood Denmark® ceiling and wall panels.

**PROPERTIES**

Sustainability # 04

Wood types # 06

Colours # 07

**PRODUCTS**

Ceiling panels # 08

Wall panels # 10

Flexi Frame # 12

Flexi Wall # 13

I-Wood Denmark® Design # 14

Variants # 16

Accessories # 18

Acoustics # 20

Fire safety # 22

**INSPIRATION**

Inspiration # 24

Installing # 32

About I-Wood Denmark® # 35



SUSTAINABILITY

## Danish, sustainable and recyclable.

When you choose I-Wood Denmark®, you also choose Danish production and sustainable and recyclable materials.

The felt is produced from 100% recyclable plastic, large parts of which are collected from the world's oceans. In addition, all our wood is CE-approved and purchased from FSC-certified suppliers. That helps ensure sustainable forestry, with the focus on abundant plant life, wildlife and working conditions.

CERTIFICATIONS

We've taken a stand – and that's why you can safely invite nature inside with I-Wood Denmark® ceiling and wall panels. If you have special fire requirements, please contact us.

**Class 2 cladding.**

All our standard panels, Basic, Medio+ and Pro+ have been tested in accordance with EN 13823 to prove that they at a minimum fulfil D-s2, d2 (class 2 cladding), which is the requirement for ceiling cladding in the home.

- Fire-retardant felt – EN13501 Class B – B-s1, d0
- Eco-labelled felt – OEKO-TEX® Standard 100
- Surface treatment – fire tested – EN ISO 9239-1
- Accredited sound report – DTU, Denmark

Options:

- Moisture-resistant MDF with special surface treatment
- Fire-retardant MDF – B, s1-d0 (raw board)
- PU varnish flame-retardant

Sustainable and recyclable production starts with us. We only buy electricity produced from renewable energy. Our sawdust and by-products from production are used to heat our production department and showrooms – so that no resources are wasted.

UN WORLD GOALS



*Invite  
nature in.*



## Beautiful rooms and fantastic acoustics with natural wood panels.

All wood panels from I-Wood Denmark® are produced with an A-veneer, to ensure the best quality in your room.

Choose the type of wood and colour that suits your home, your decor and your style. We work with durable woods such as oak and walnut, but contact us if you want something different.

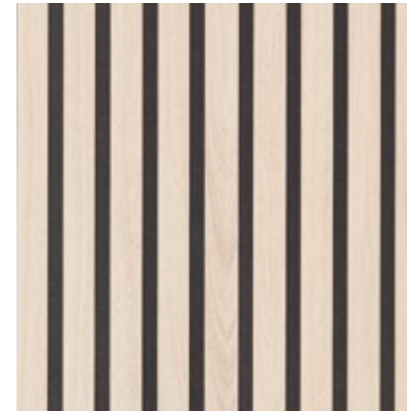
### Choose the right core.

Our acoustic panels are made in plain MDF, moisture resistant MDF and fire-retardant MDF. Selected variants are available in both black and light MDF core.

Ordinary MDF is used indoors for classic ceiling and wall panels. Moisture-resistant MDF is treated with special oil, so your panels can resist rot and mould – and thus can be used outdoors as under-cladding, such as overhangs, covered terraces or carport ceilings. Do not use on vertical surfaces directly exposed to water.

Fire-retardant MDF has a B-s1, d0 approval as raw board. In addition, we offer surface treatment using a flame-retardant PU varnish.

NATURE



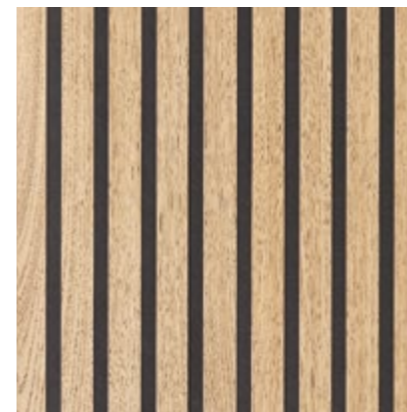
WHITE



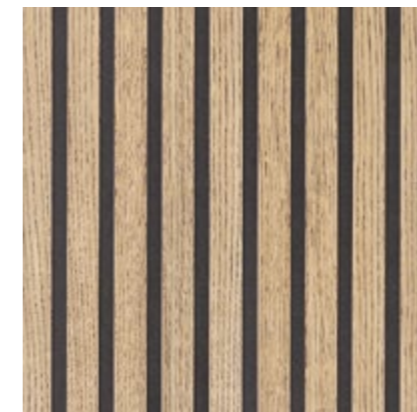
CLEAR



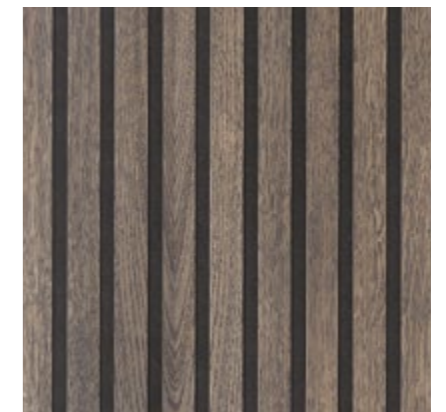
BROWN



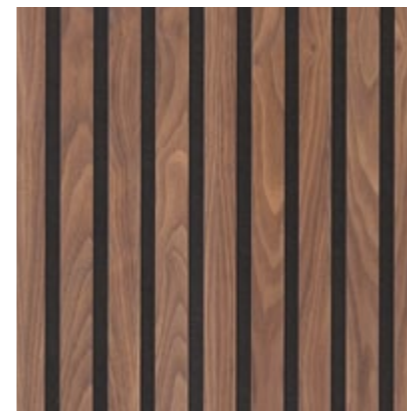
DARK BROWN



BLACK



WALNUT



WHITE PAINTED



BLACK PAINTED



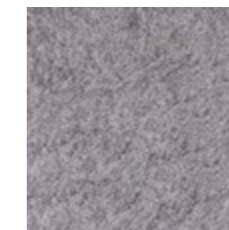
I-WOOD STANDARD



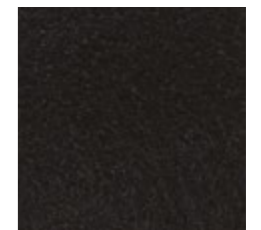
I-WOOD MIXED



GRAY FELT



BLACK FELT

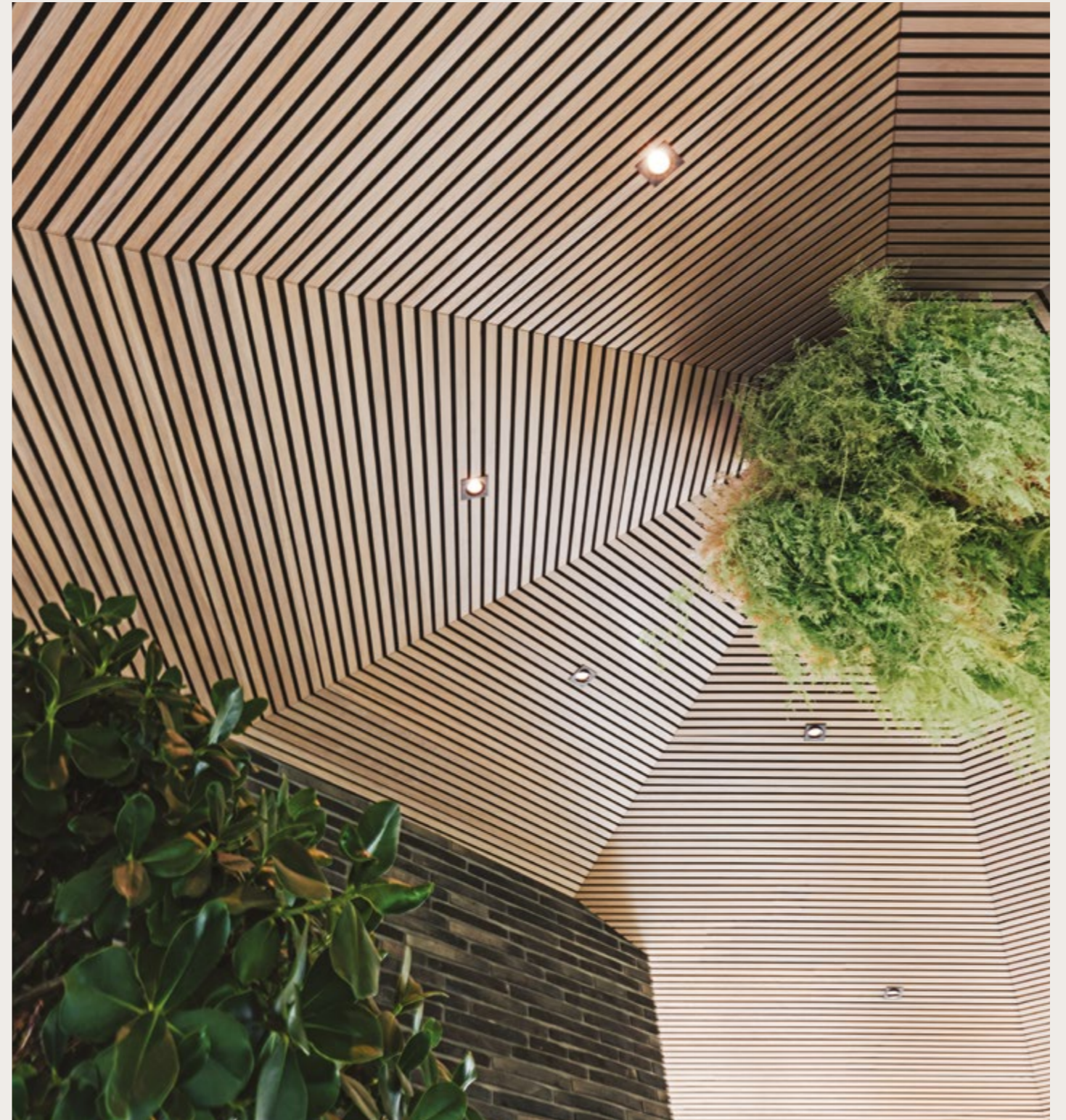




## CEILING PANELS

Good acoustics can easily be combined with beautiful design. With I-Wood Denmark® you get a unique installing solution, which with finger joints and an eye for detail ensures a perfect result every time, with just half the installation time compared to similar products on the market.

I-Wood Denmark® Ceiling Panels.





## WALL PANELS

Bring natural materials and stylish lines into your decor with I-Wood Denmark® acoustic wood panels. Create harmony. Create peace. Create spaces you want to live in. With our efficient acoustic panels, you can change the atmosphere in your home – visually and acoustically. Invisible joints ensure a perfect finish whether filling an entire wall, or just using a single panel.



## I-Wood Denmark® Wall Panels.





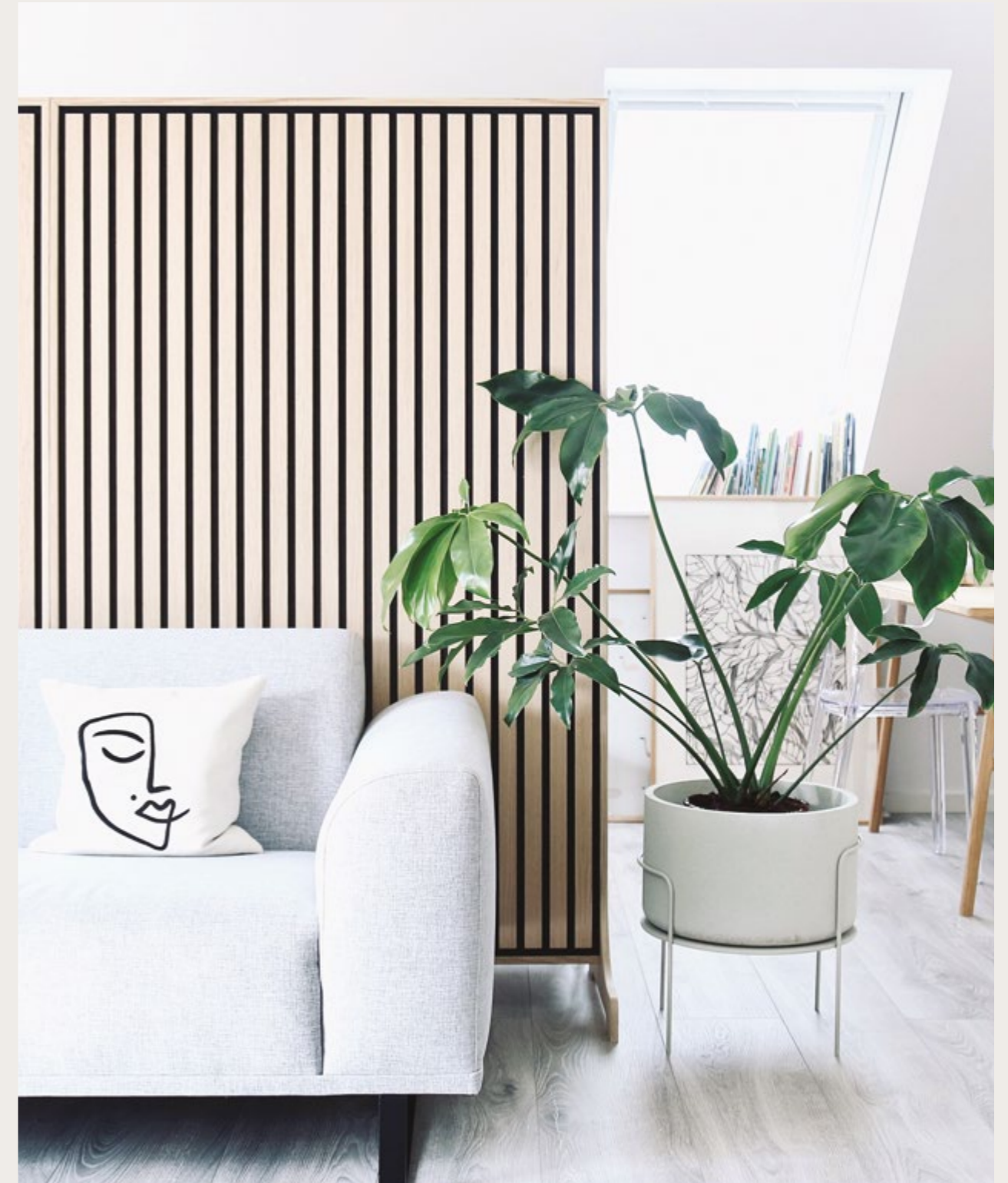
## I-Wood Denmark® Flexi Frame.

Use Flexi Frame on ceilings and walls to eliminate unnecessary noise, ensure optimal sound absorption and to add an extra design dimension to your rooms. With beautiful wood panels and a sound-absorbing core consisting of insulation, you invite nature in and create tranquillity.



## I-Wood Denmark® Flexi Wall.

A modern and sound-absorbing partition for the office, living room, restaurant or small apartment. Eliminate unnecessary reverberation with Flexi Wall in stylish panel cladding, a sound-absorbing core of insulation and elegant edging. Create spaces you want to be in.

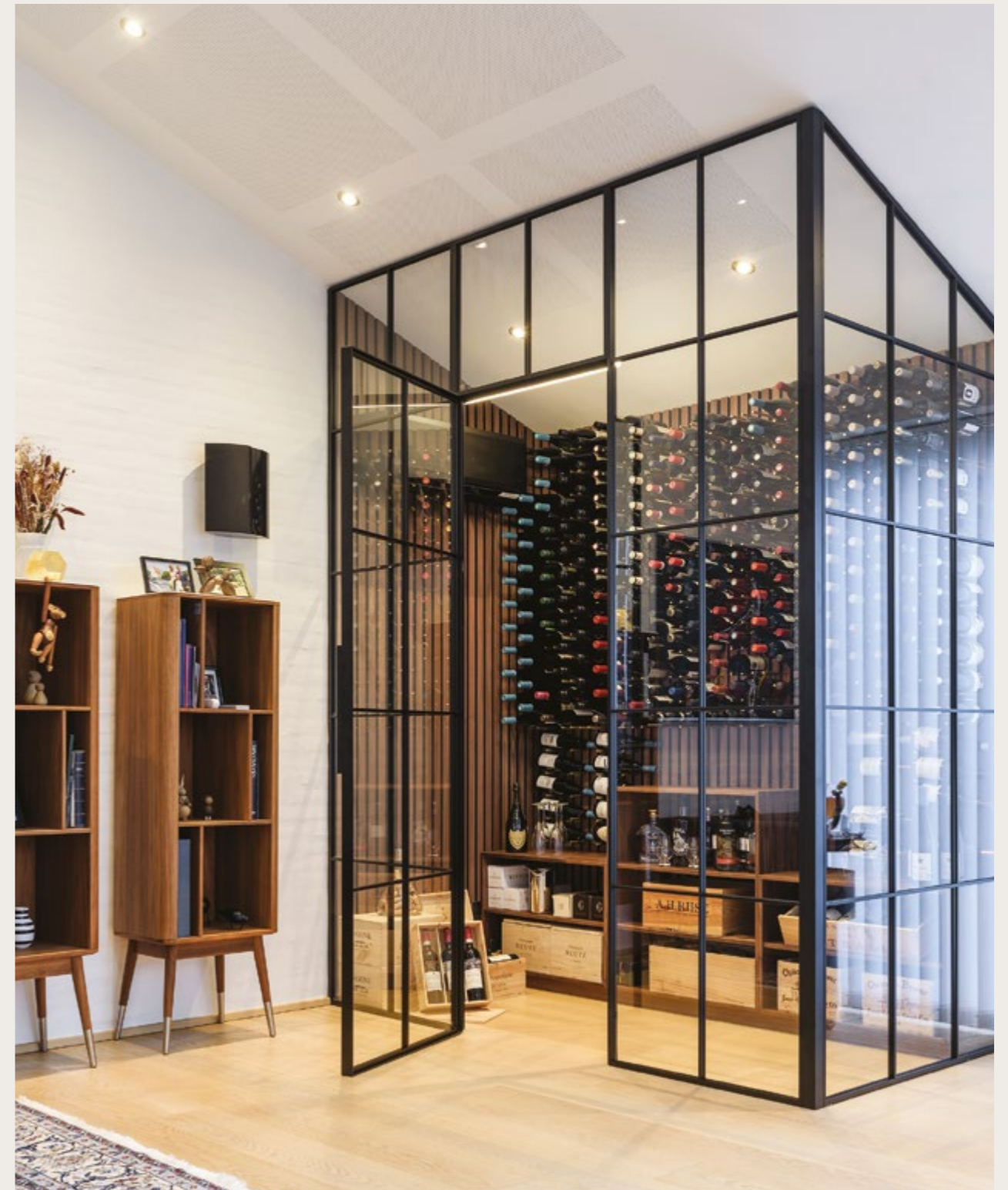




CUSTOM SOLUTIONS

With I-Wood Denmark®, you not only get stylish ceiling and wall panels that create good acoustics. You can use our panels to create new spaces, new dimensions, new environments – come to us with your idea and vision.

I-Wood Denmark® Design.



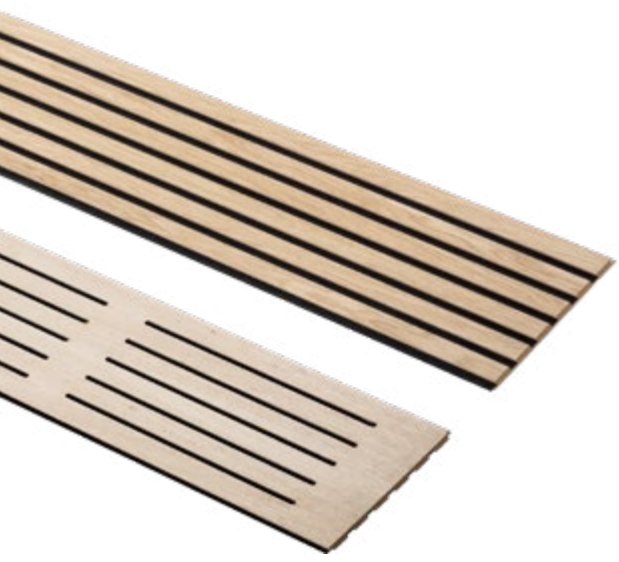




## Basic

Basic is often used as decoration and acoustic cladding on, for example, walls, counters, fireplaces, cupboards or as a headboard. The panel has a minimum fire classification of D-s2, d2 according to EN 13823 (class 2 cladding). The product does not have finger joints.

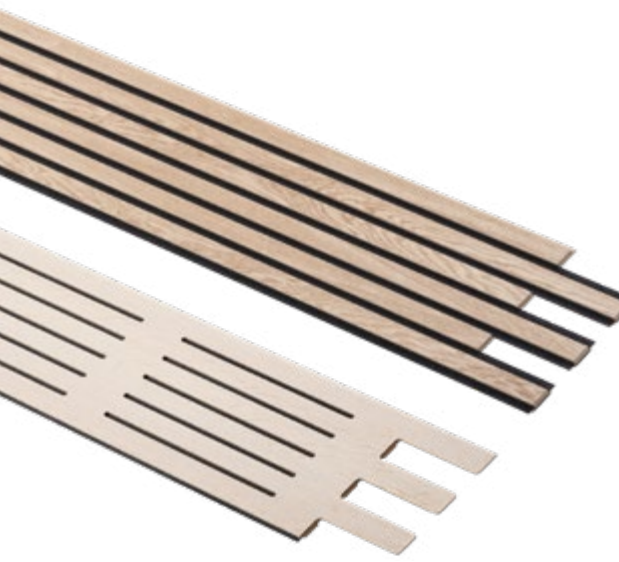
*Dimensions: 16 x 300 x 2400 or 2780 mm.*



## Medio+

Medio+ is often used as ceiling or wall cladding, and works both as decoration and acoustic improvement. Medio+ has milled-out acoustic fields on the back to allow sound to travel up through the felt. Combine Medio+ with insulation such as mineral wool for the most optimal acoustics. The panel has a minimum fire classification of D-s2, d2 according to EN 13823 (class 2 cladding). The product does not have finger joints.

*Dimensions: 16 x 300 x 2400 or 2780 mm.*



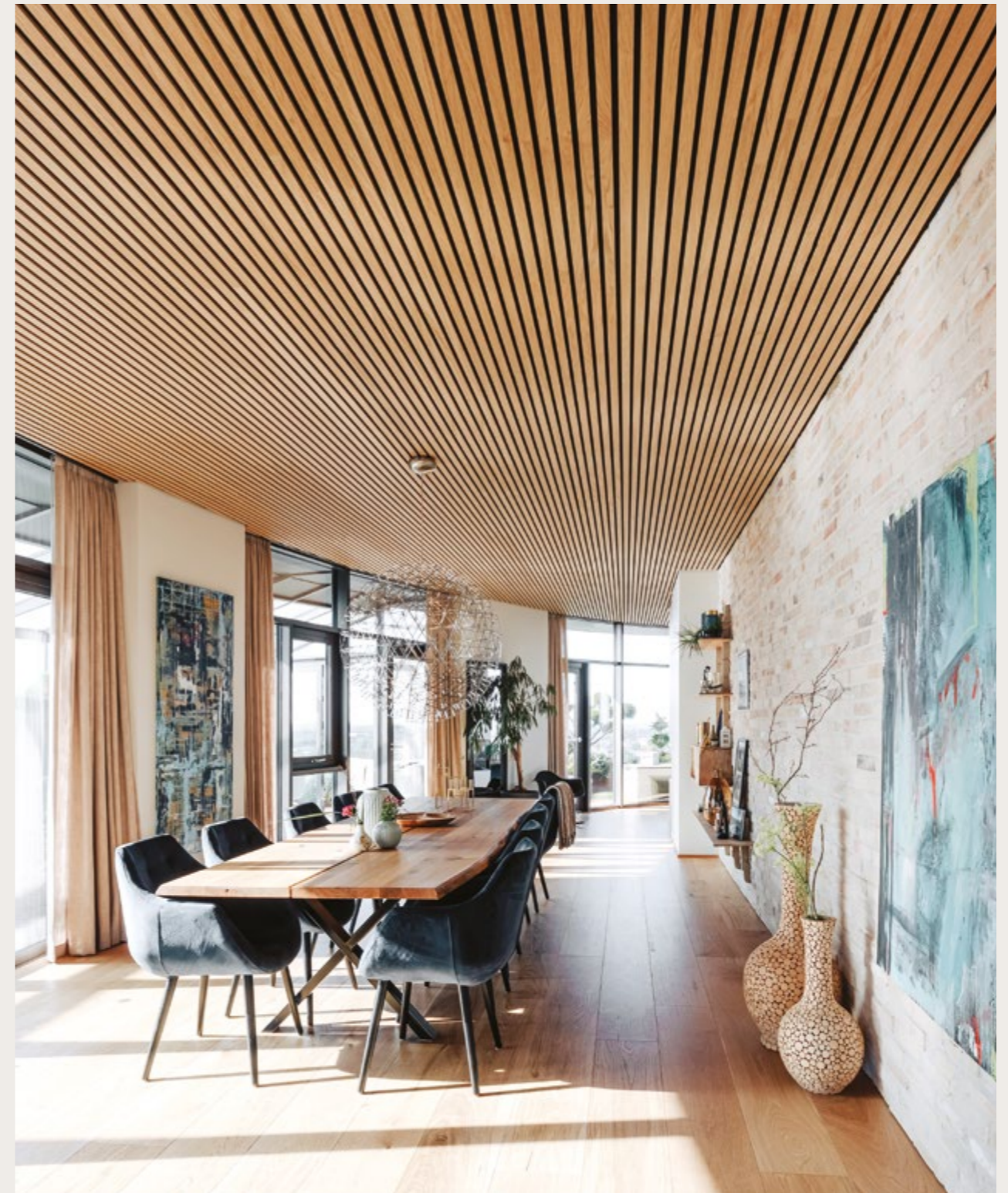
## Pro+

Pro+ with I-Wood's unique finger joints is often used as ceiling cladding or on high walls, where decoration and acoustic improvement is required. Pro+ has milled-out acoustic fields on the back to allow sound to travel up through the felt. Combine Pro+ with insulation such as mineral wool for the most optimal acoustics. The panel has a minimum fire classification of D-s2, d2 according to EN 13823 (class 2 cladding). The product has finger joints.

*Dimensions: 16 x 300 x 2400 mm.*



## Variants.





## ACCESSORIES

Create the perfect finish. I-Wood provides a wide range of accessory products, including end mouldings, covers and shelves. All products that allow you to complete your project and create complete solutions.



### Multi Frame.

With I-Wood Denmark® Multi Frame you get a product that creates a different level of detail and finish around spotlights or ventilation outlets. They have the following internal dimensions, and can be made to special dimensions for loudspeakers, for example.

Spotlights:	100 x 100 mm
Ventilation:	152 x 152 mm



### Felt edges.

When installing I-Wood Denmark® ceiling panels, we recommend a shadow edge of felt to create a nice finish and a straight divider, and to compensate for unevenness between the walls.

100 mm felt cloth or approx. 30 mm solid felt is mounted on a batten board against the wall before installing ceiling panels.

Felt cloth:	100 mm x 150 m
Fixed felt:	3 x 31 x 2400 mm



### End moulding.

With an I-Wood Denmark® end moulding, you get the perfect finish on wall panels, headboards and other projects. This is a veneered moulding with felt that measures:

16 x 42 x 2400 mm
16 x 42 x 2780 mm

*One side of a panel can also be veneered.*



### Covering.

I-Wood Denmark® coverings create a complete result for any project with wood panels. Use the veneered mouldings for windows, walls, doors and skylights. Available in the following standard sizes and with the option of special measurements:

16 x 20 x 2780 mm
16 x 70 x 2780 mm
16 x 140 x 2780 mm
16 x 300 x 2780 mm



### Shelves.

Connect your I-Wood Denmark® wall, headboard or shop fittings with veneered and oiled shelves. Available in the following standard dimensions and with the option of special measurements:

16 x 270 x 300 mm
16 x 270 x 600 mm
16 x 270 x 900 mm
16 x 270 x 1200 mm



## Create harmony. Create peace. Create spaces you want to live in.

### Great room acoustics

Great room acoustics are important and necessary to achieve optimal well-being in a room. This applies at home, at work, at school or in restaurants. If room acoustics are not optimal, speech comprehension is impaired, music is perceived vaguely, and a large proportion of the sounds in the room will be perceived as noise. This will naturally impair well-being and comfort, which is why room acoustics are so important.

I-Wood Denmark® believes in good acoustics, particularly in creating the optimal experience – not just for the eye, but also for the ear. We need to feel comfortable wherever we are, either at home, at work or dining out.

### What are acoustics?

Sound absorption, absorption area, absorption coefficient, speech intelligibility, reverberation time. There are many relevant factors involved in acoustics. But what we all want is pleasant sound rather than noise. This is where it's important to focus on achieving the right reverberation time – how long sound takes to abate in a room. When sound is absorbed, it provides a short reverberation time and thus good acoustics and high speech intelligibility.

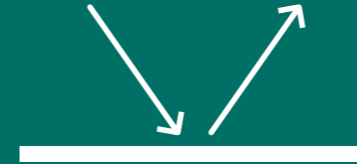
The optimal reverberation time depends on the purpose of the room. E.g., the optimal reverberation time for a church is typically 6 seconds, while a living room in a private home, on the other hand, should achieve a reverberation time of only 0.6 seconds.

The shortest reverberation time possible is not always necessarily what we should aim for. Insufficient reverberation time can quickly make the sound in the room seem dull, and conversely, excessive reverberation time can result in unwanted echoes and impaired speech comprehension. A long reverberation time is typically perceived in an unfurnished room in a house.

### Improve your acoustics

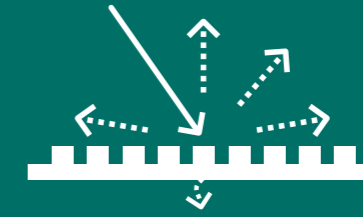
There are many ways to achieve improved room acoustics. Some of the common methods are furniture, carpets, sofa cushions, heavy curtains etc. A good reverberation time can therefore be difficult to achieve with minimalist decor, where the use of carpets and furniture is sparse. Acoustic panels used as replacement for hard walls can be a good solution.

In addition to being absorbent, acoustic panels also have a diffusing effect. Diffusers can split the sound waves when the sound is reflected, making the sound more evenly distributed throughout the room. This is perceived by the human ear as a more pleasant room acoustics.



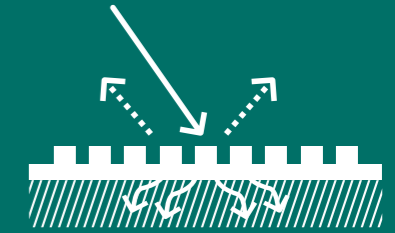
#### REFLECTION

When a sound wave encounters a hard surface like a brick wall, it reflects 1:1. This is not the best in relation to good, comfortable room acoustics.



#### BASIC

I-Wood Denmark® Basic is not just decoration. The panel acts as a diffuser and has a diffusing effect. That is, sound waves are divided into smaller sound waves. This is perceived as more optimal acoustics.



#### MEDIO+ AND PRO+ WITH INSULATION

I-Wood Denmark® Pro+ not only has a diffusing effect, but also features significant absorbency. The panel generally acts as a good absorbent in the entire frequency range when mounted on 45 mm batten board with insulation in the cavity.

#### EXAMPLE

To take a simple example when choosing a ceiling, let's look at an average kitchen/family room.

The following are the various options in relation to achieving the recommended reverberation time.

#### The room:

Kitchen/living room 50 m<sup>2</sup> – ceiling height of 3.5 metres – tiled floor – brick walls.

**Recommended reverberation time:** 0.6 sec.

#### Ceiling solutions:

45 mm insulation mounted behind the ceiling type. See what reverberation time the different ceiling variants achieve:

**I-Wood Denmark® Pro+:** 0.6 sec.

**Fibre concrete:** 0.6 sec.

**Plaster incl. 40% perforated boards:** 1 sec.

**Concrete:** 2 sec.

PREPARED IN  
COLLABORATION  
WITH





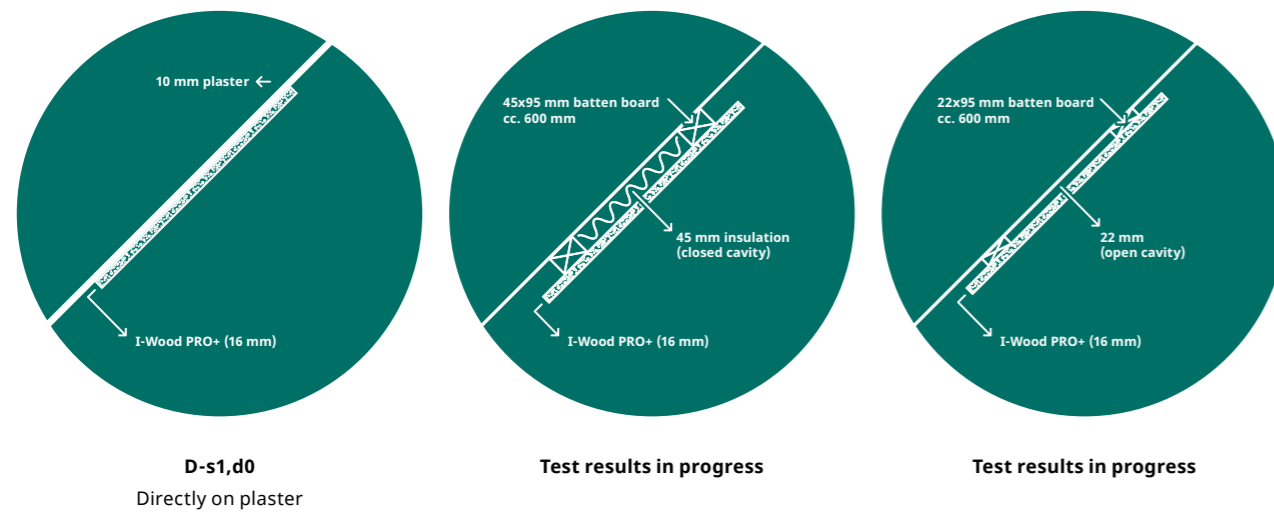
**FIRE  
REQUIREMENTS**

## Fire safety for Basic, Medio+ and Pro+

We've taken a stand – and that's why you can safely invite nature inside with I-Wood Denmark®. Fire performance is a crucial area, and why it's important for us to be able to document approved use of our panels.

I-Wood Denmark® has been subjected to a number of tests on our standard panels. I-Wood Denmark® Basic, Medio+ and Pro+ (ordinary MDF) have been tested in accordance with EN 13823, which proves that they achieve a minimum of a D-s2, d2 (class 2 cladding), which is the requirement for ceiling and wall cladding in the home.

**TESTED  
STRUCTURES:**



If you have specific fire requirements or questions, please contact us.





Create beauty and silence.

I-Wood Denmark® ceiling and wall panels are inspired by the Nordic, classic design tradition, where natural materials and clean lines make your room a place worth living and breathing in.



Beautiful to look at. Fantastic acoustics.

Create spaces that are a pleasure to live in. Optimal reverberation time with a modern, stylish and harmonious expression.





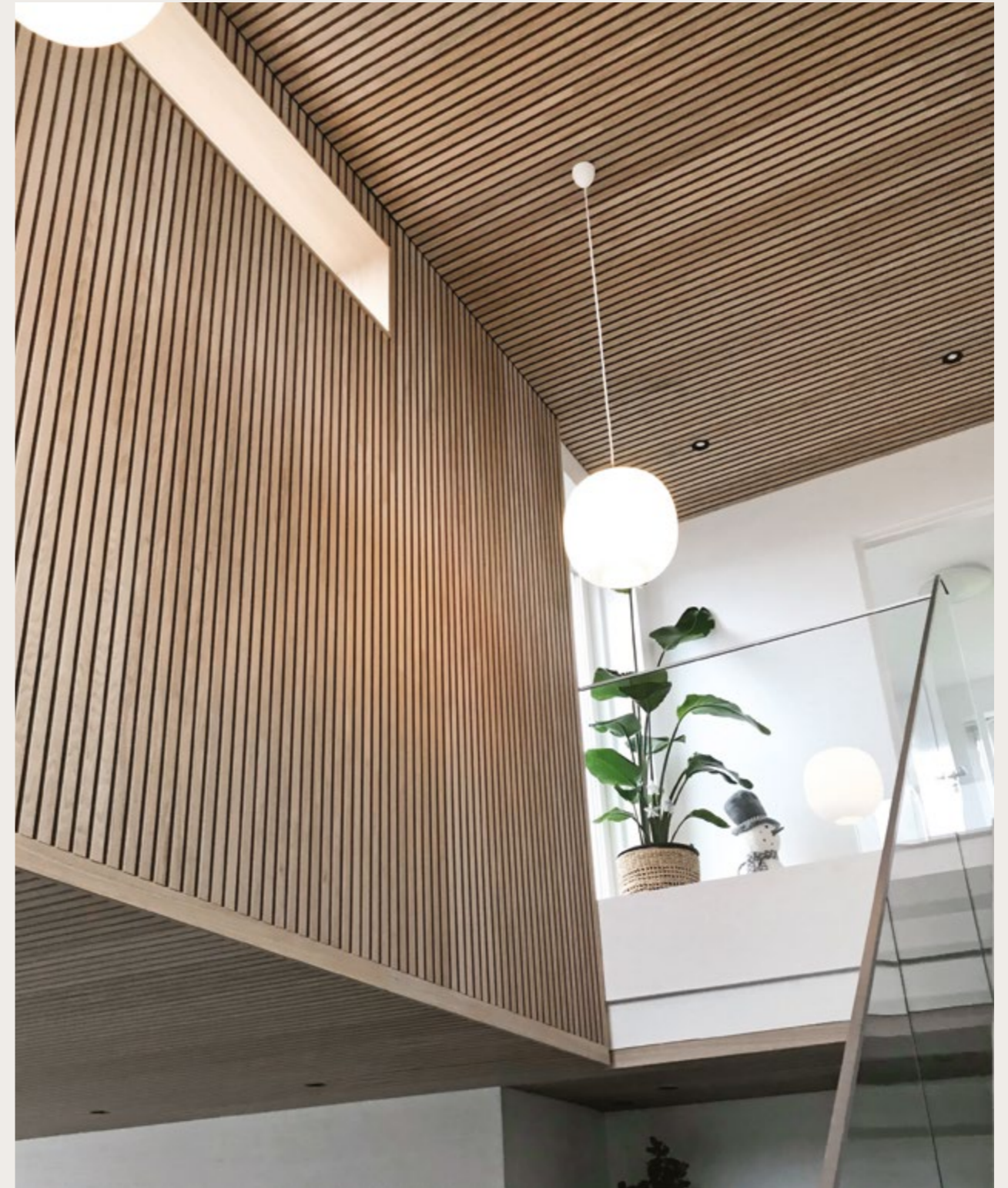
## Eye for detail.

Adjustments and details are no problem with I-Wood Denmark® wall panels. With easy installation and a unique finish, you always get a razor-sharp result.



## Developed for the ear. Designed for the eye.

The harmony between aesthetics and acoustics is the result of advanced craftsmanship and a product thought through to the smallest detail.





## Contemporary and high quality.

Calming. Beautiful. Like nature itself. With I-Wood Denmark®, you not only create a visually modern environment, but also ensure a more comfortable indoor climate.



## Beautiful and durable.

I-Wood Denmark® ceiling and wall panels are created from beautiful and durable materials, which means they can also be used outside. Connect inside and out with natural wood panels from I-Wood Denmark®.





## Connect beauty and tranquillity.

Create unique spaces. Give a wall or ceiling character. I-Wood Denmark® acoustic panels connect beauty and tranquillity. In the same way as a walk in the woods or an alluring view of the fields.



## Invite nature in.

I-Wood Denmark® ceiling panels with finger joints mean perfect joints, a perfect finish and the perfect way to invite Nordic nature into your home.





# The industry's easiest installation.

## INSTALLING

With acoustic panels from I-Wood Denmark®, you get the industry's easiest installation. All panels are created with the focus on ensuring simple installation for both DIYers and professionals. Perfect joints, a perfect finish and the perfect way to invite Nordic nature into your home.

## VIDEO

Scan the QR codes:



**INSTALLING A CEILING** (video)  
[www.i-wooddenmark.com/installing-a-ceiling](http://www.i-wooddenmark.com/installing-a-ceiling)



**INSTALLING A WALL** (video)  
[www.i-wooddenmark.com/installing-a-wall](http://www.i-wooddenmark.com/installing-a-wall)



**INSTALLING WALLS INCL. BATTEN BOARD/INSULATION** (video)  
[www.i-wooddenmark.com/installing-walls-incl-batten-board-insulation](http://www.i-wooddenmark.com/installing-walls-incl-batten-board-insulation)

## NATURAL MATERIALS

An I-Wood Denmark® panel is a natural product in the word's best and most classic sense. Sorting will therefore always be reflected in the natural character of the wood. Each piece of wood has its own expression and unique grain. You can therefore expect variation in the colour and expression of the wood. Our pictures are indicative.

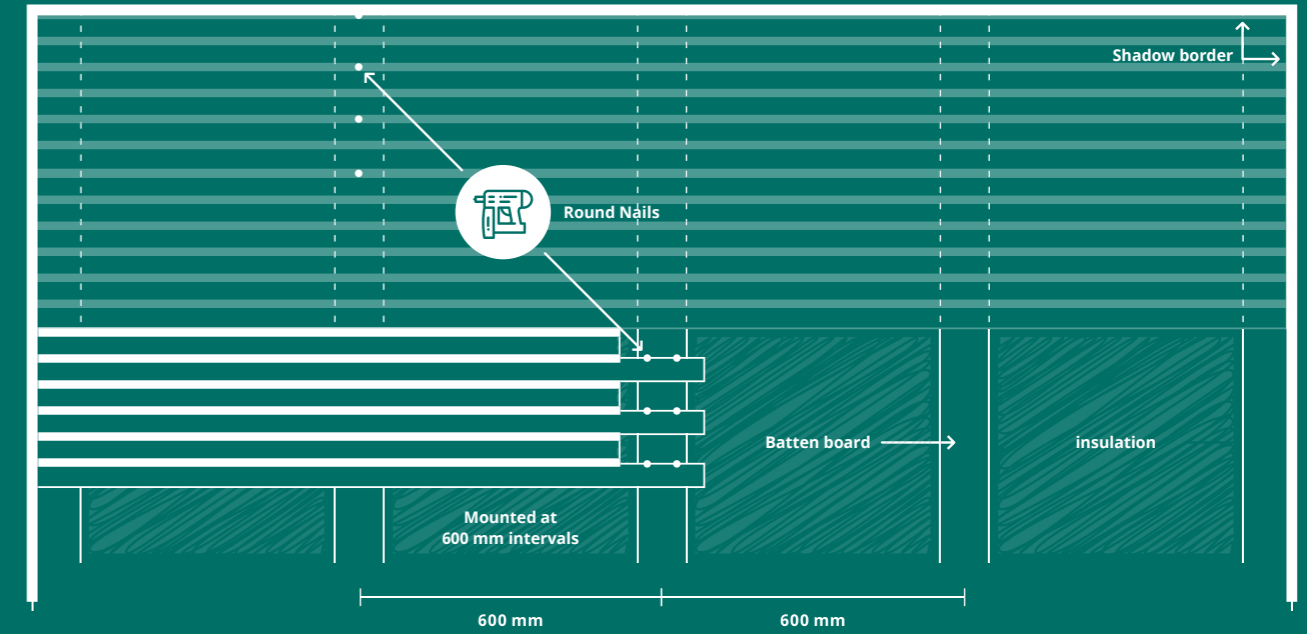
## MAINTENANCE

I-Wood Denmark® products basically require minimal maintenance, as they are natural products. We therefore recommend simply dusting the products as needed. Natural products can over time vary in expression and colour depending on the individual product and environment.

## TEMPERATURE

I-Wood Denmark® ceiling and wall panels must be stored in a dry and warm place. This will ensure a safe, consistent humidity level of approx. 4-10%. The room where your new wood panels are to be installed must therefore also be dry and warm – and heated to approx. 17-21 degrees. We recommend a humidity level of about 30-60%.

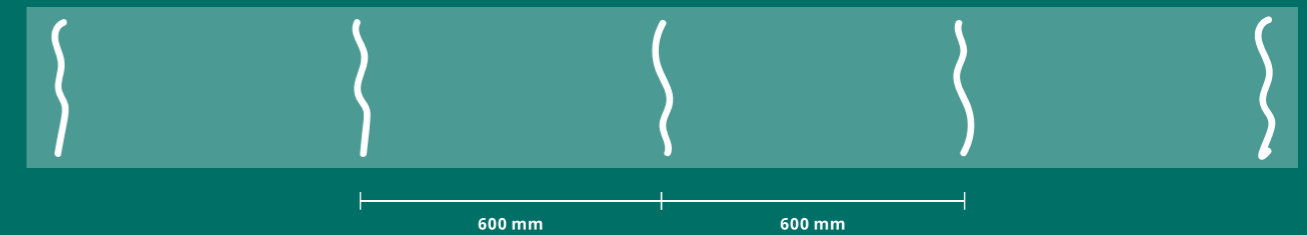
## INSTALLING - FASTENING WITH ROUND NAILS



## IMPORTANT

We recommend gluing the fingerjoints between to panels (6 dots)

## INSTALLING - FASTENING WITH ADHESIVE



## SHADOW EDGE

Create a shadow edge from our filter rolls (1.5 x 100 mm) and attach it to the batten board before installing. We always recommend using batten board around all the walls of the room by omitting the outer batten board sideways and making room for batten board at the end of the room (min. 22 x 45 mm). Mount the batten board with felt together with the ceiling panels, so that all wall surfaces can be covered in one process.

You can also make shadow edges from a solid felt strip of 3 x 31 mm. These can be installed after the batten board has been installed in connection with ceiling installation. Please be aware that a shadow edge only covers 3 mm down the wall.

## REPAIR OIL

With I-Wood Denmark® repair oil, you can treat minor damage to the surface, such as superficial scratches or discolouration. The oil is an optional extra, and is a small portion of the original oil your wood panels are treated with.



Made in West Jutland.



ABOUT  
I-WOOD  
DENMARK®

Beautiful to look at.  
Fantastic acoustics.  
Easy installation.

I-Wood Denmark® are acoustic wood panels for walls and ceilings, which give your rooms the optimal reverberation time together with a modern, stylish and harmonious expression.

Our aesthetics are inspired by the Nordic, classic design tradition with natural materials and clean lines. Invite nature in. Create space to live in. Create space to be together in.

I-Wood Denmark® is also the story of three local boys on a mission. For us, every single project is always about the details of beautiful design, good acoustics and easy installation.

When you choose I-Wood Denmark®, you choose quality, accuracy and the easiest installation in the industry - all produced at our factory in Ørnhøj, West Jutland.





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