



INT&RIOR SYSTEMS

Guiding Design • Informed Interiors

BOSK TIMBER ACOUSTIC PANELS

Bosk

ACOUSTIC SOLUTIONS,
MADE IN NEW ZEALAND.

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Cover: McDonalds Otago, ASC Architects (Tuatara)
Above: Hierarchy Group Offices (Stilt)

OVERVIEW

CREATE BEAUTIFUL ACOUSTIC SOLUTIONS FOR DYNAMIC INTERIORS WITH BOSK.

Bosk are perforated and slotted timber panels available in a variety of finishes, which achieve a high level of sound absorption, as tested by Canterbury Acoustic Testing Services according to AS ISO 354 2006.

They are ideal for use in commercial interiors, lobbies, gymnasiums, restaurants, schools and residential applications.

Bosk is highly durable and available in many options to achieve the desired design aesthetic. Bosk panels have Environmental Choice accreditation and can be used in GreenStar projects.





THE WARMTH OF TIMBER

Bosk embraces the warmth of timber. Due to the product's ability to absorb noise and the durable nature of the material, Bosk panels are perfect for use in commercial interiors, lobbies, gymnasiums, restaurants, schools and residential spaces.

Constructed in sheet form for easy use as a wall finish or ceiling lining, panels are also available in tile form for placement in a suspended ceiling system.

Panel substrates are sourced from the Prime Panel and Bestwood ranges.

Bosk meets Group 1-S fire test requirements; or Group 3 test requirements depending on chosen substrate.

McDonalds Taupiri, ASC Architects (Tuatara)

BEAUTIFUL ACOUSTIC SOLUTIONS



Franklin Hospital, Waitakare Architects (Bespoke)

Bosk panels are made to order and can be tailored for bespoke projects. All panel sizes, timber selections, and finishes can be customised, and perforations can be designed for bespoke projects.

Bosk panels' acoustic performance has been tested at Canterbury Acoustic Testing Service.

The acoustic performance of the panels is dependant on the percentage of open area and the type of backing material. Panels come with standard black acoustic backing material and additional acoustic insulation is available. NRC ranges from 0.35 up to 0.80, dependant on open area and acoustic insulation.

Bosk panels are available in a range of standard perforation patterns. Standard sheet sizes are 1200x2400mm for full sheets or 600x600mm and 600x1200mm, commonly used for ceiling panels.

When using the FR MDF, the panels can be cut on site without compromising the fire rating Group 1-S.

Customised panels are available. T&R is able to assist with any bespoke feature panels. Contact us directly for your bespoke requirements.

THE ENVIRONMENT & BOSK

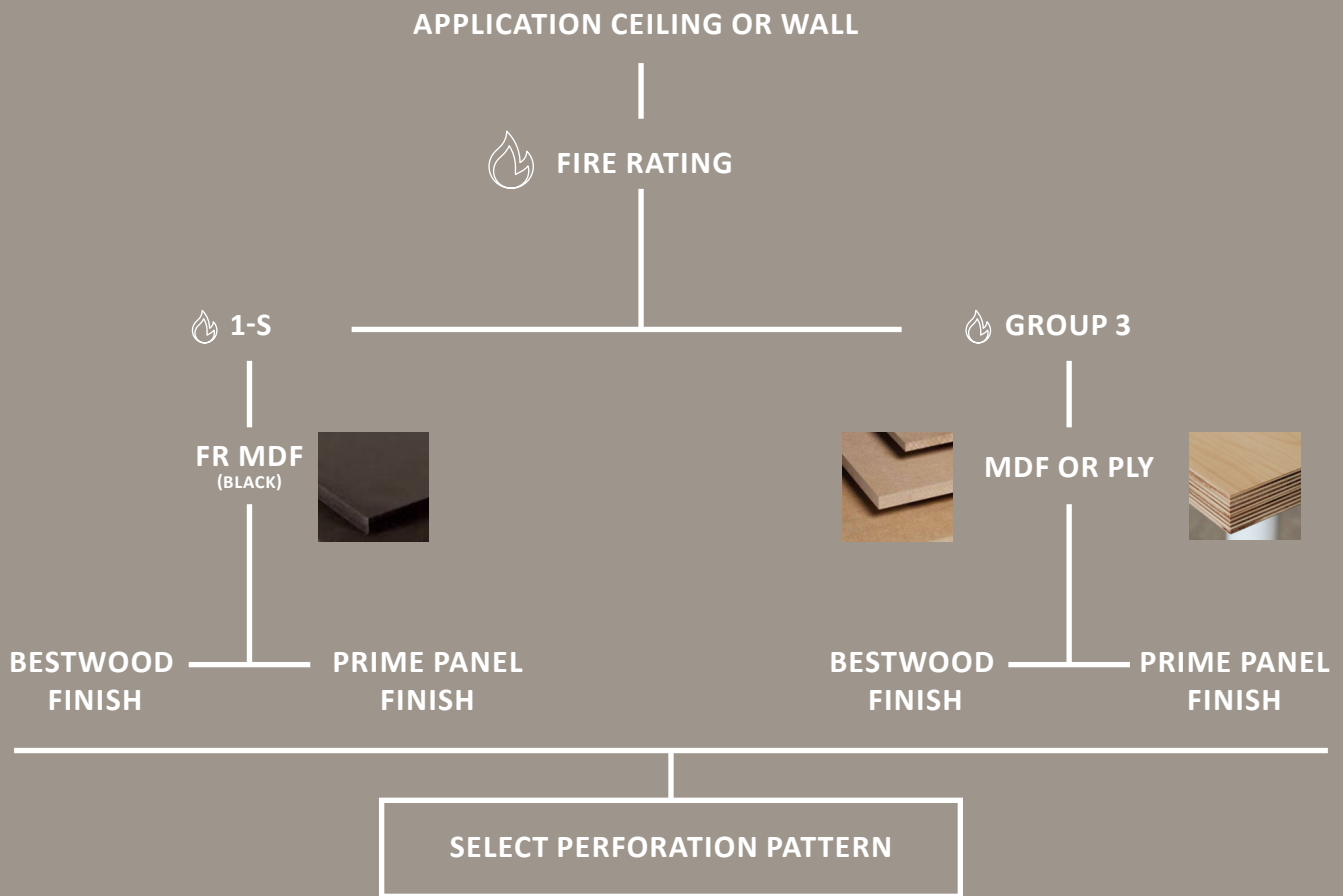
T&R is committed to finding solutions to reduce the amount of waste generated in the building industry. With Bosk we are proud to align with New Zealand Panels Group, who are working to create mindful manufacturing processes and reduce the impact on the environment.

Bosk is New Zealand designed and manufactured, and is a great choice for environmentally conscious customers. Using Bosk has the ability to contribute GreenStar points to a project.

OUR KEY INITIATIVES:

- The use of sustainably sourced melamine and substrates.
- All panels have Environmental Choice NZ accreditation.
- Low-formaldehyde board.
- NZ Panels are committed to reducing manufacturing waste and also finding new ways to re-use and recycle any that is generated.
- Finding new ways to reduce energy consumption.

MATERIAL SELECTION



FR MDF BLACK

FR MDF Black is a Group 1-S medium density fibre board. The FR MDF Black is mid-black in colour. FSC certified and Environmental Choice NZ accredited, it meets Class E1 requirements for formaldehyde levels (analysed according to EN 120) as defined in EN 622-1:2003 European Standard.

REGULAR MDF

New Zealand made regular grade MDF has an excellent strength quality and surface smoothness with superior edge profile. The panel achieves a Group 3 fire rating to NZBC.

FIRE GROUP NUMBER CHART

PROPERTIES	TEST METHOD	UNITS	RESULT
Prime Melamine on FR MDF Black	C/AS2	Group Number	Group 1-S
Prime Veneer on FR MDF Black coated with a 2 pack low yellowing polyurethane	C/AS2	Group Number	Group 1-S
Prime Veneer on MDF Standard	C/VM2	Group Number	Group 3
Prime FR MDF Black	C/AS2	Group Number	Group 1-S



WALL & CEILING LINING PANELS

2400x1200mm

WALL & CEILING LINING PANELS



Shirley Boys' and Avonside Girls' High Schools, ASC Architects (Bespoke)

STANDARD OFFERINGS

- Standard panel offerings are 1200x2400mm for wall and ceiling panels.
- Designs include a 50mm border.
- Panel thickness 12mm or 18mm.
- Perforations can be designed for bespoke projects.

TUATARA

With SBPE backing:

NRC 0.75

OPEN AREA 25%

Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

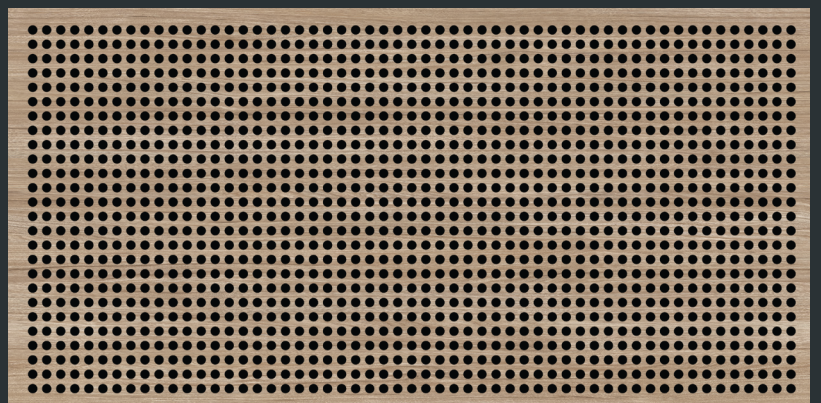
NRC 0.80

OPEN AREA 25%

Refer test report 2004-0447-123R7

Physical acoustic test (test report available)

*Datasheet with slot and hole sizes available on request.



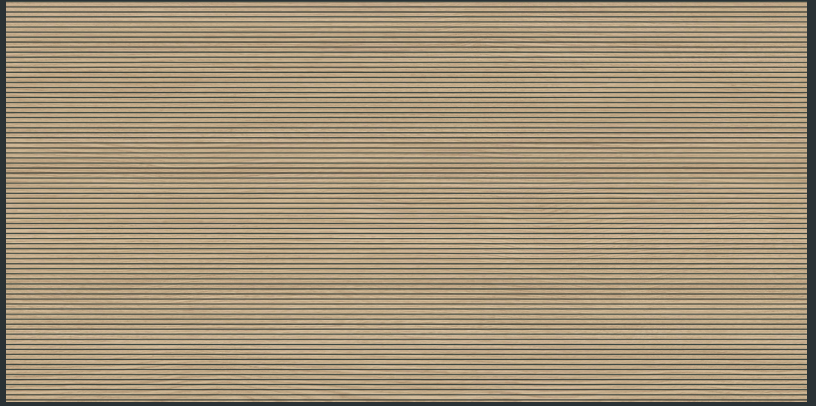
HONEY ASH DISPLAYED

STILT

NRC 0.75*
OPEN AREA 19%

*All predictions using 50mm panel absorber. Only available 18mm panel.

*Datasheet with slot and hole sizes available on request.



TAKAHE

With SBPE backing:

NRC 0.45
OPEN AREA 9%

Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

NRC 0.65
OPEN AREA 9%

Refer test report 2004-0447-123R7

Physical acoustic test (test report available). Only available 18mm panel.

*Datasheet with slot and hole sizes available on request.

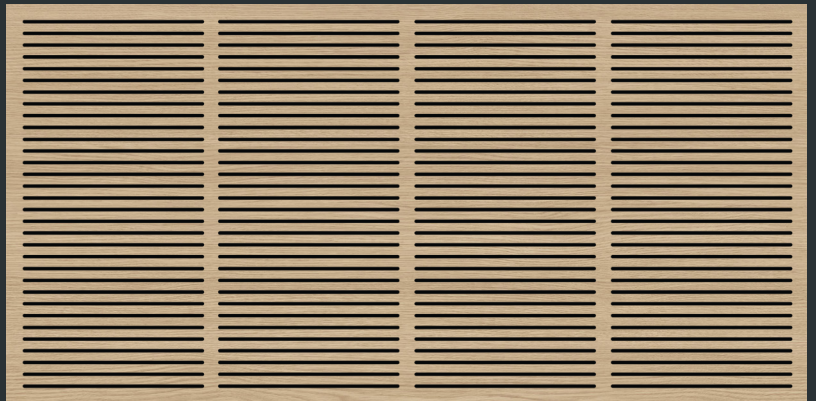


KERERU

NRC 0.75* (with insulation 0.85*)
OPEN AREA 25%

*All predictions using 50mm panel absorber.

*Datasheet with slot and hole sizes available on request.

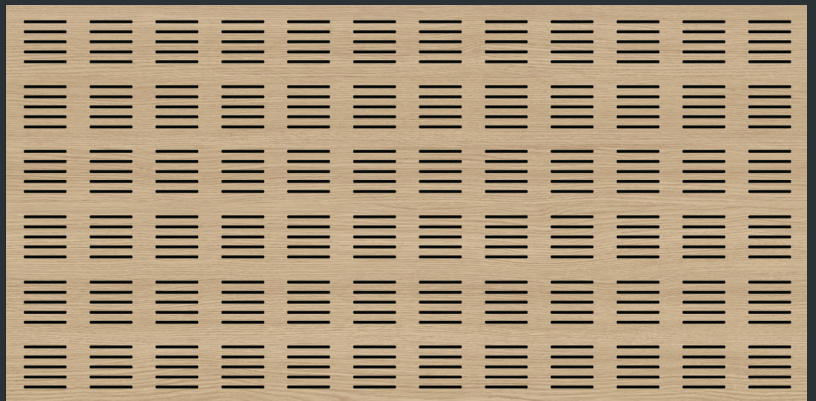


KEA

NRC 0.75*
OPEN AREA 13%

*All predictions using 50mm panel absorber.

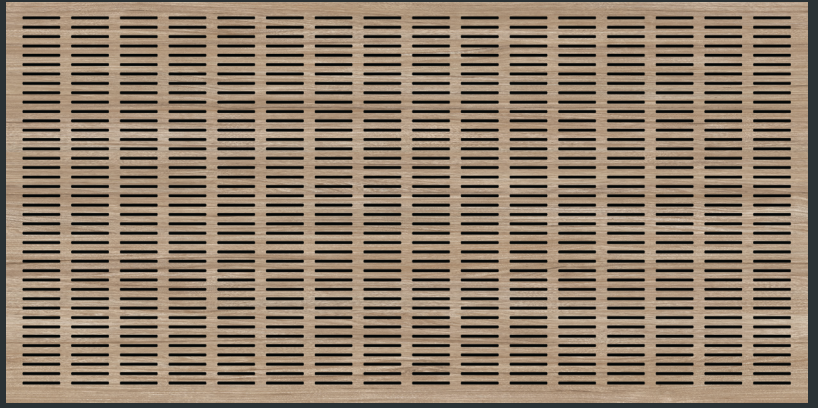
*Datasheet with slot and hole sizes available on request.



KAKA

NRC 0.75*
OPEN AREA 19%

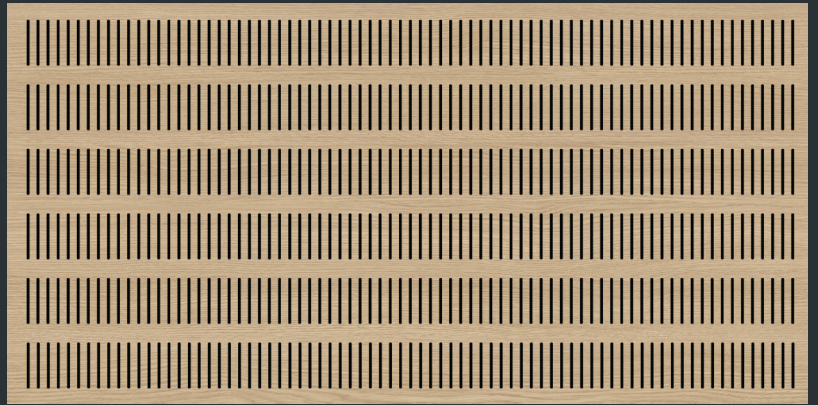
*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



KIWI

NRC 0.75*
OPEN AREA 18%

*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



PUKEKO

With SBPE backing:

NRC 0.65
OPEN AREA 23%

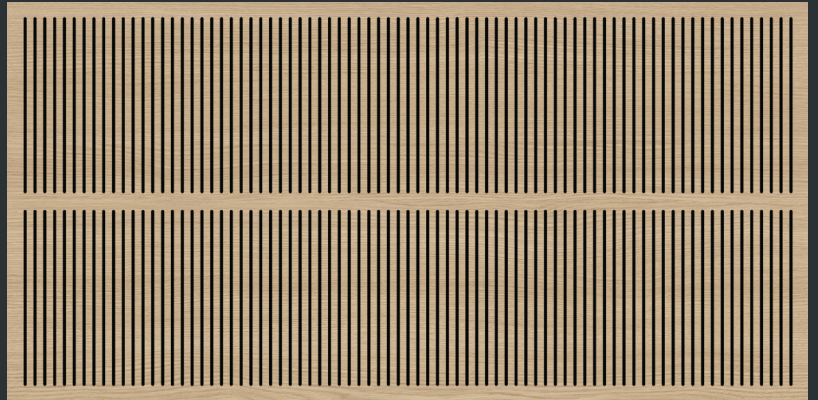
Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

NRC 0.75
OPEN AREA 23%

Refer test report 2004-0447-123R7

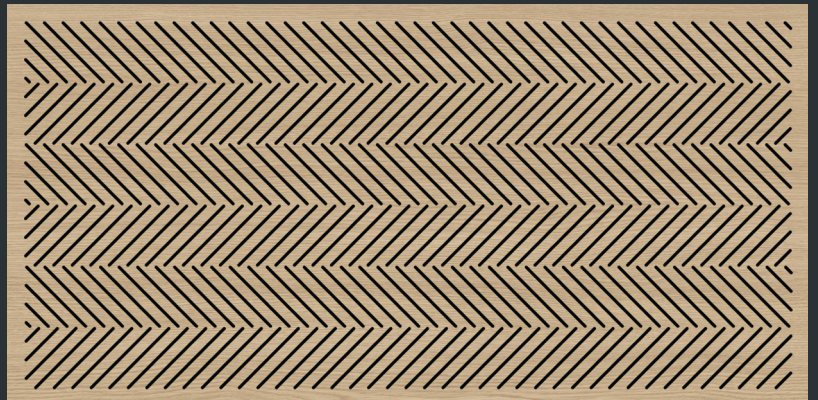
*Datasheet with slot and hole sizes available on request.



FANTAIL

NRC 0.75*
OPEN AREA 16%

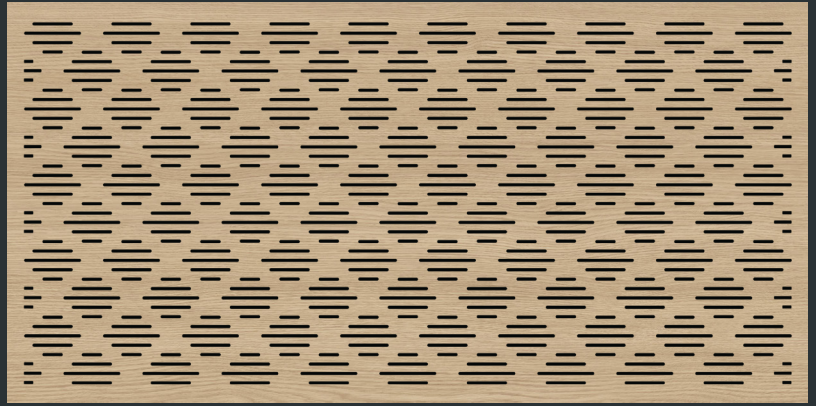
*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



WEKA

NRC 0.75*
OPEN AREA 20%

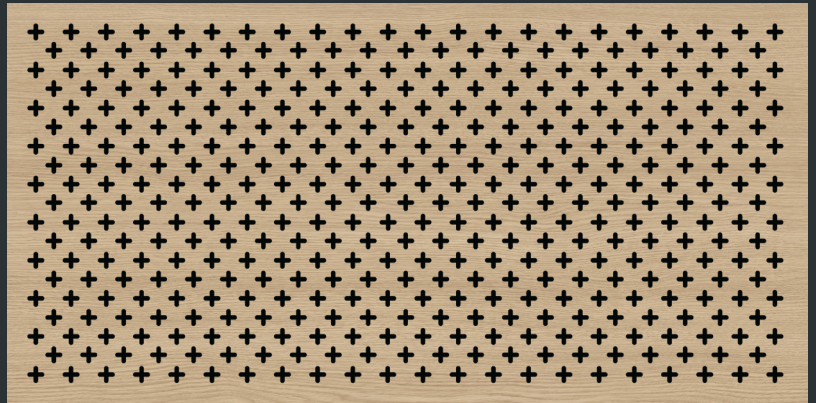
*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



STITCHBIRD

NRC 0.40*
OPEN AREA 9%

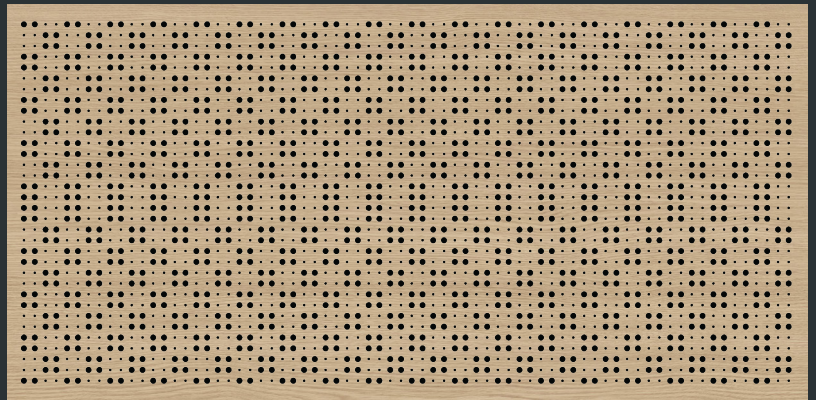
*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



RURU

NRC 0.70*
OPEN AREA 13%

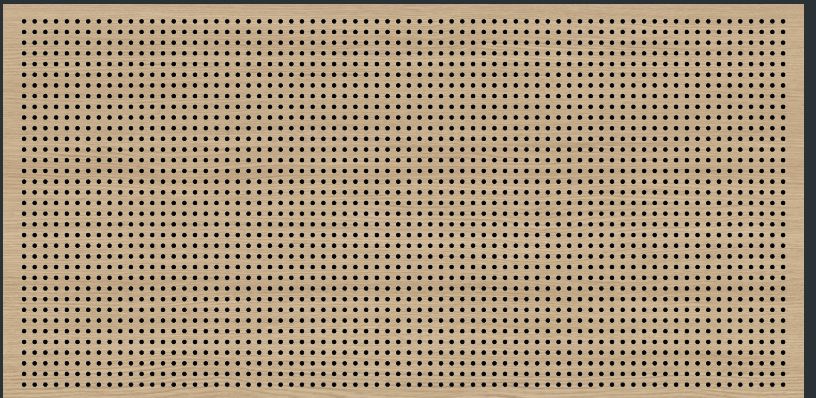
*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.



PIHIPIHI

NRC 0.70*
OPEN AREA 13.5%

*All predictions using 50mm panel absorber.
*Datasheet with slot and hole sizes available on request.





ACOUSTIC TESTING

A selection of Bosk designs have been acoustically tested at Canterbury Acoustic Testing Services. Sound absorption testing was carried out according with AS ISO 354 2006.

All testing carried out in E400 Rig (400mm air cavity).
Full acoustic testing data is available on request.

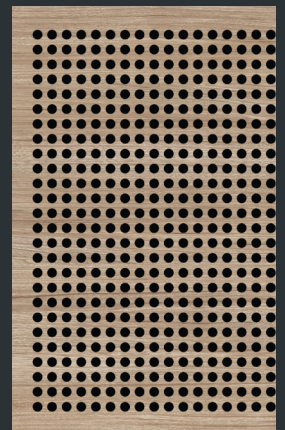
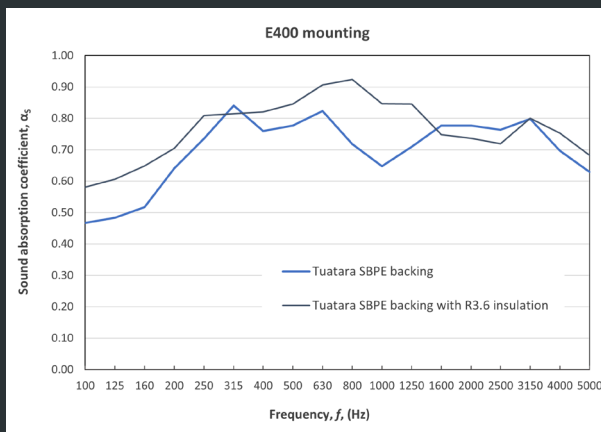
TUATARA

With SBPE backing:

NRC 0.75
OPEN AREA 25%
Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

NRC 0.80
OPEN AREA 25%
Refer test report 2004-0447-123R7





PUKEKO

With SBPE backing:

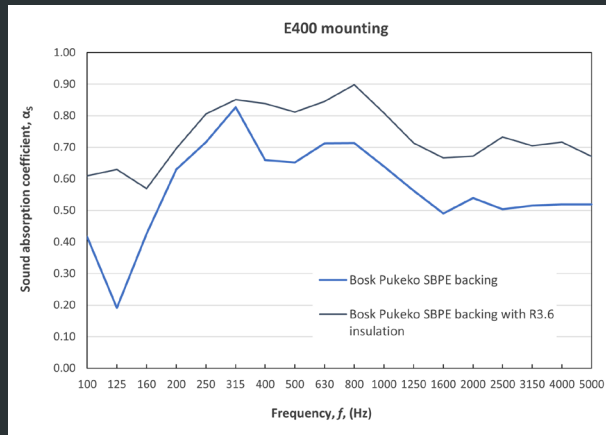
NRC 0.65
OPEN AREA 23%

Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

NRC 0.75
OPEN AREA 23%

Refer test report 2004-0447-123R7



TAKAHE

With SBPE backing:

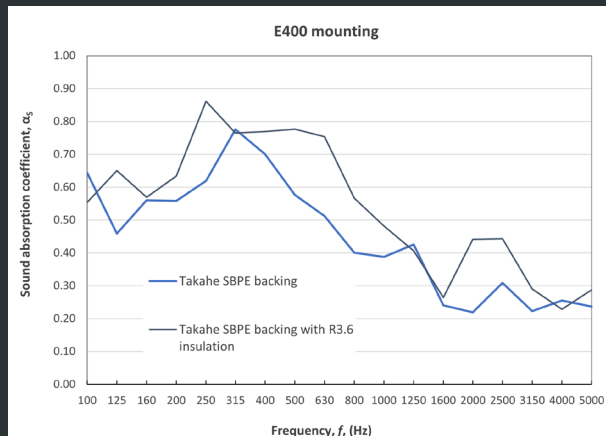
NRC 0.45
OPEN AREA 9%

Refer test report 2004-0447-121R7

With SBPE backing and R3.6 insulation:

NRC 0.65
OPEN AREA 9%

Refer test report 2004-0447-123R7





CEILING PANELS

1200x600mm & 600x600mm

CEILING PANELS



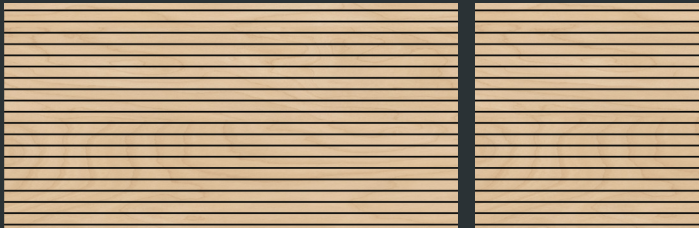
McDonalds Taupiri, ASC Architects (Tuatara)

STANDARD OFFERINGS

- Standard offerings are 1200x600mm and 600x600mm for ceiling panels.
- Designs include a 50mm border.
- Panel thickness 12mm or 18mm.
- Perforations can be designed for bespoke projects.



STILT



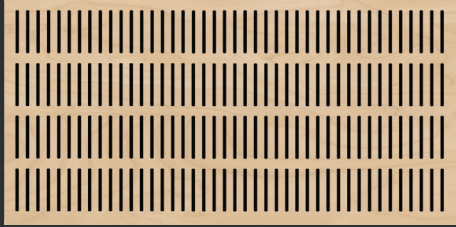
TAKAHE



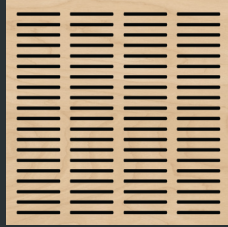
KERERU



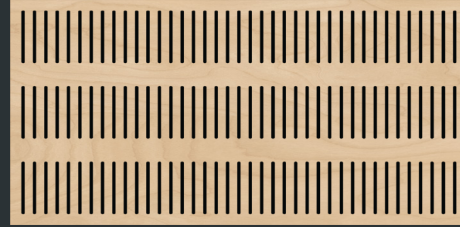
KEA



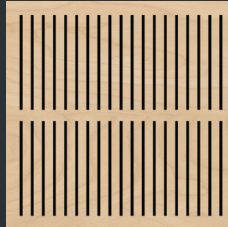
KAKA



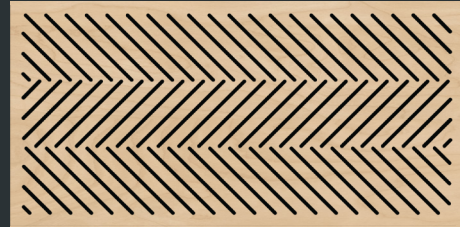
KIWI



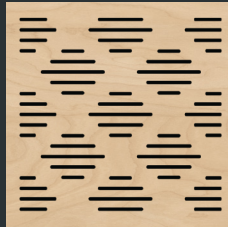
PUKEKO



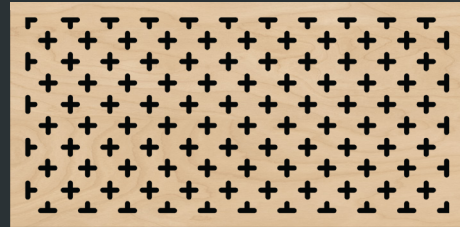
FANTAIL



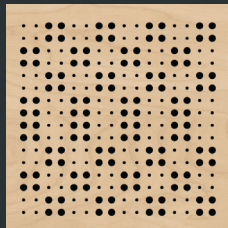
WEKA



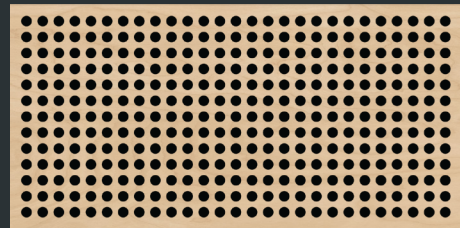
STITCHBIRD



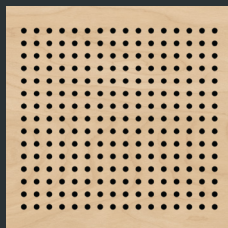
RURU



TUATARA



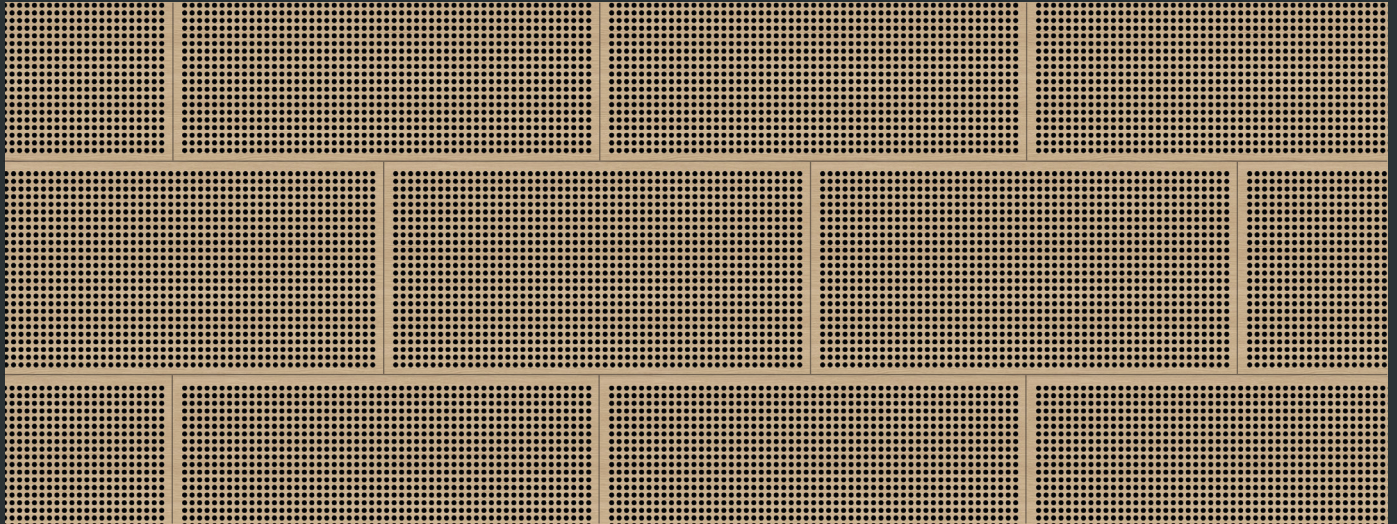
PIHIPHI



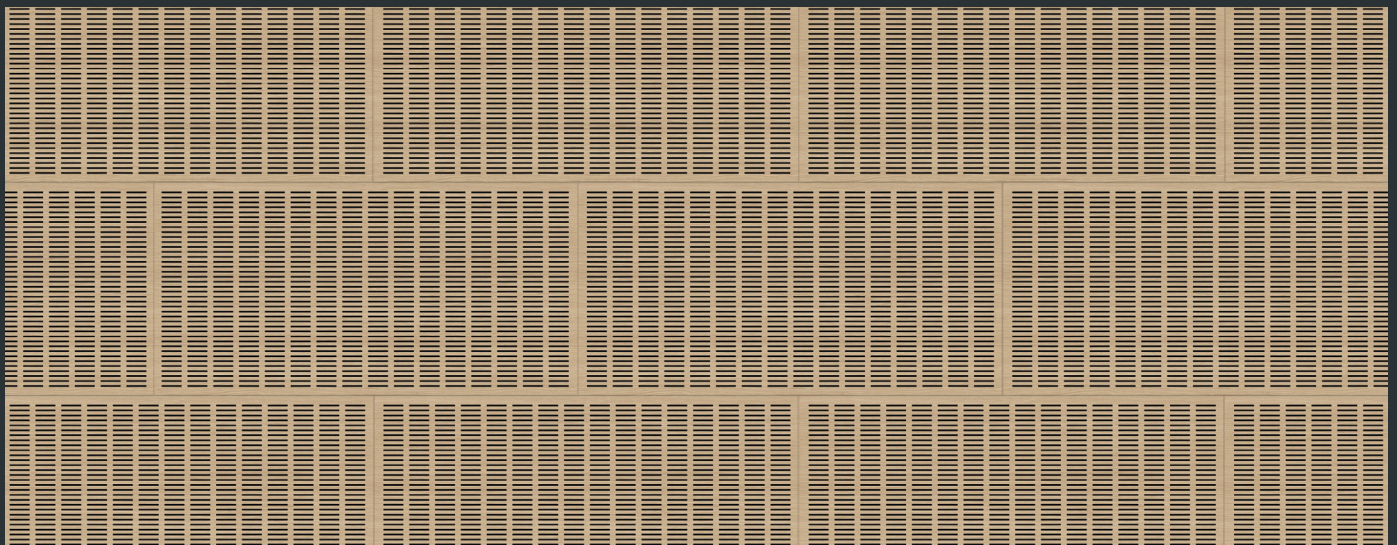
FULL PANEL ARRAY

Full panels can be arranged in an ashlar pattern or parallel as shown in examples below.

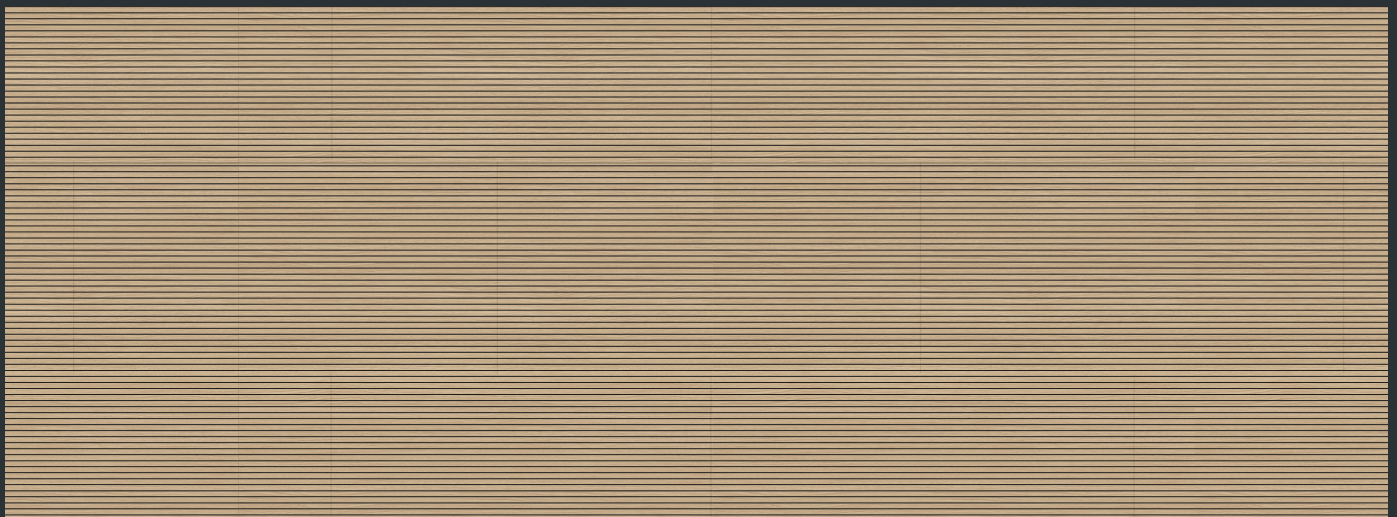
TUATARA ASHLAR ARRAY



KAKA ASHLAR ARRAY



STILT ARRAY



A dramatic landscape photograph of a mountain valley. The foreground is dominated by a dense, lush green forest. In the middle ground, a wide, shallow river flows through a valley, surrounded by rocky banks. In the background, dark, forested mountains rise steeply, with a large glacier visible on a distant peak. The sky is overcast and grey, creating a moody atmosphere.

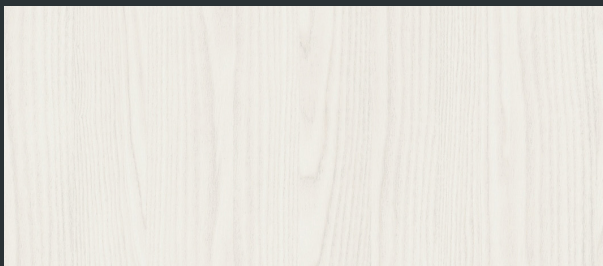
MELAMINE, VENEERS & FINISHES

BESTWOOD RANGE

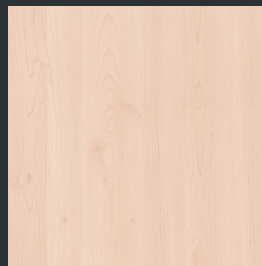


Bestwood Melamine has been a favourite of New Zealand interior designers, architects and joiners for nearly 40 years. Their range of easy care, pre-finished panels are available in a large range of finishes with their iconic timber aesthetic.

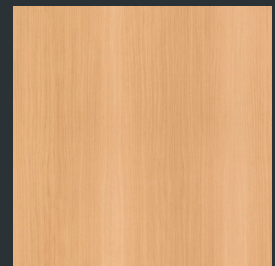
Bestwood Melamine has Environmental Choice NZ accreditation, giving you assurance that this New Zealand made product leaves an improved environmental footprint.



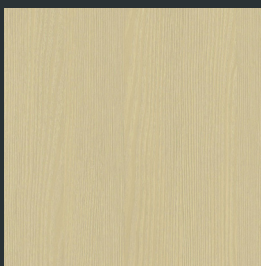
WASHED OAK



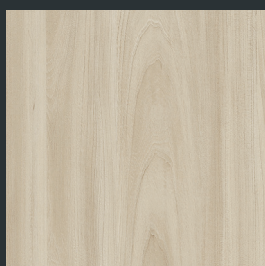
WASHED MAPLE



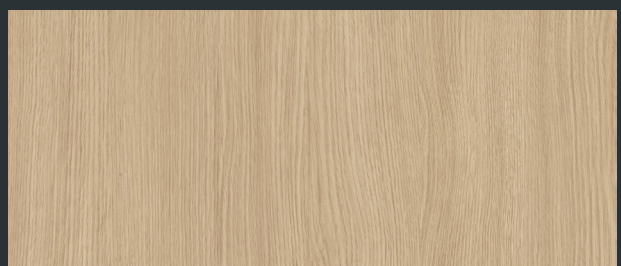
PERFECT TAWA



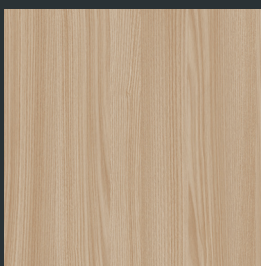
CAPE COD



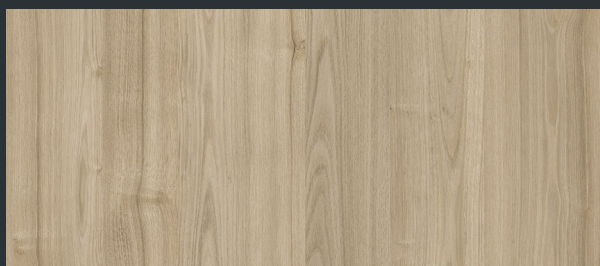
COASTAL ELM



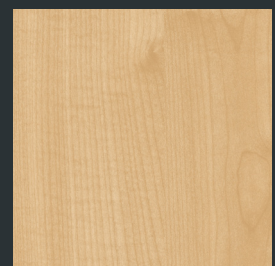
PERFECT OAK



VINTAGE ASH



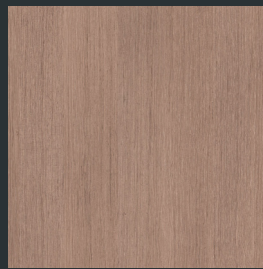
RANFURLY OAK



BEST MAPLE



SIMPLY EUCALYPTUS



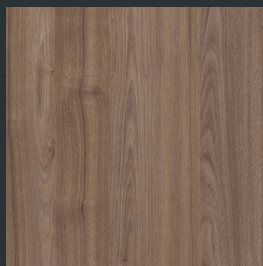
MILAN PINE



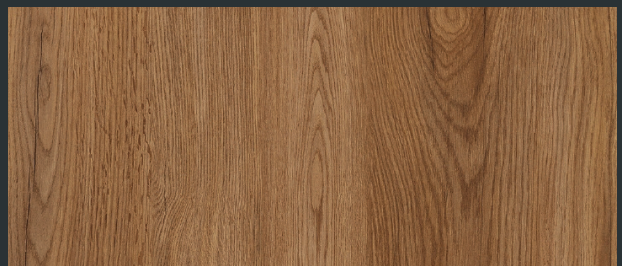
TREBLE BEECH



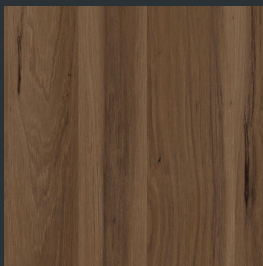
DUSKY ELM



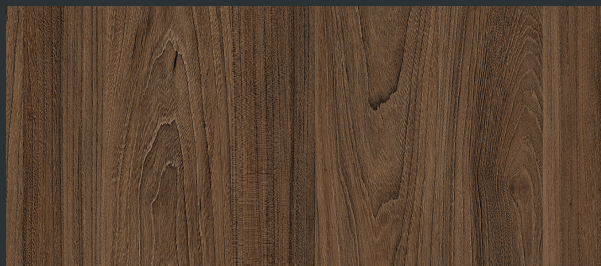
METHVEN OAK



SOUTHERN OAK



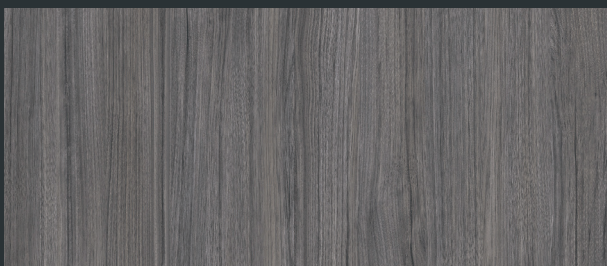
CLASSIC WALNUT



TASMAN ELM



CORONET BEECH



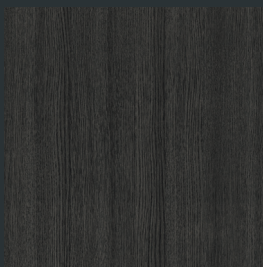
SMOKED ASH



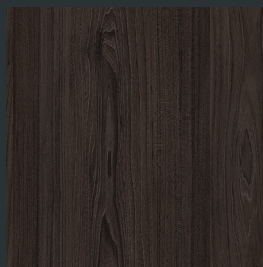
BLACKENED TEAK



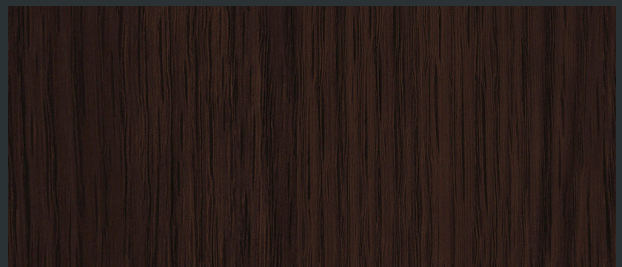
PATINA



CHARRED OAK



FIORDLAND ELM



DARK OAK

PRIME RANGE

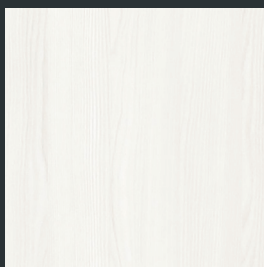
PrimePanels^{NZ}

Prime Melamine is a durable and easy care low pressure laminate surface. Stylish and affordable, it is designed specifically for interior cabinetry, furniture and wall paneling.

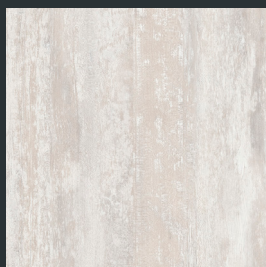
Prime Melamine carries Environmental Choice NZ accreditation and has a low formaldehyde rating, making it a safe and healthy choice. It contributes valuable points for GreenStar projects. Prime Panels are scratch resistant, hard wearing and made in New Zealand.

As the world is becoming increasingly digitised, we are drawn to the natural and authentic nature of woodgrain. Inspired by the warmth and natural beauty of timber, these panels provide a realistic experience for the senses.

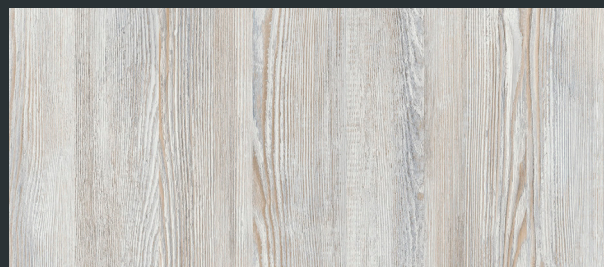
Contact us directly to discuss veneer options.



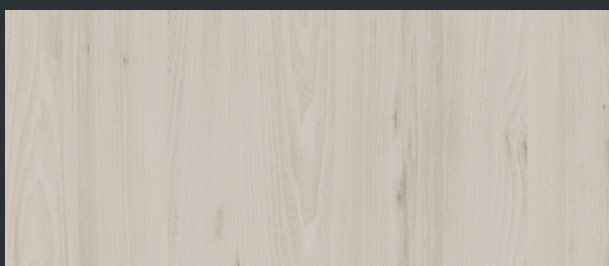
NORDIC ASH



WINTER WOOD



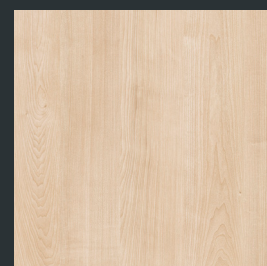
NORDIC PINE



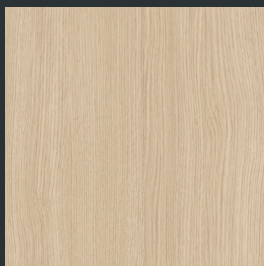
HAMPTONS ELM



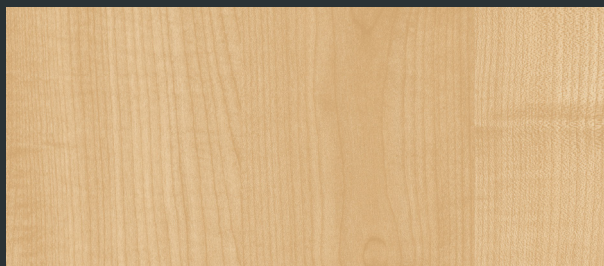
ASHEN WALNUT



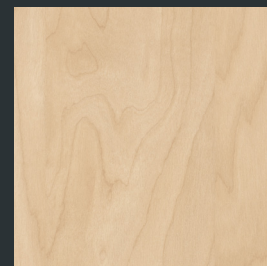
BLEACHED MAPLE



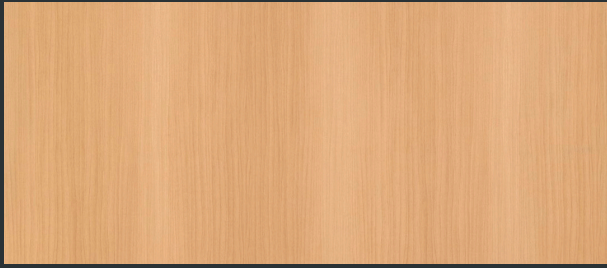
PREMIUM OAK



PRIME MAPLE



PREMIUM PLY



PRIME TAWA



SOVEREIGN OAK



PRIME RIMU



OILED OAK



BAROQUE



ORIGINAL OAK



FRENCH OAK



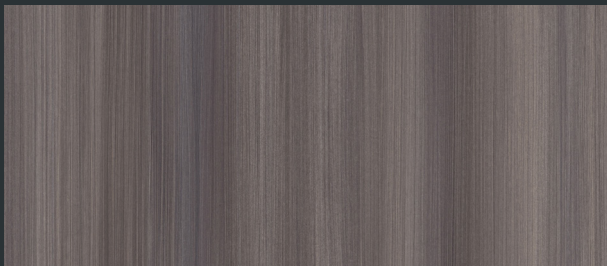
SMOKEY OAK



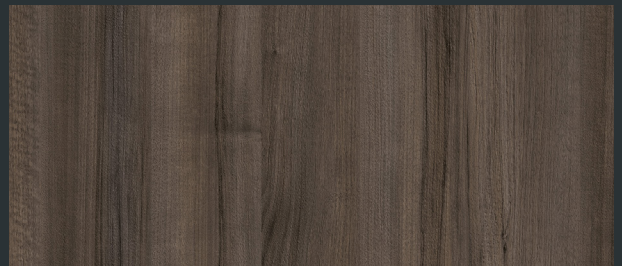
TAHOE WALNUT



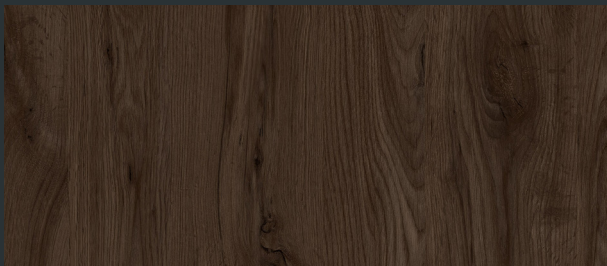
HICKORY WALNUT



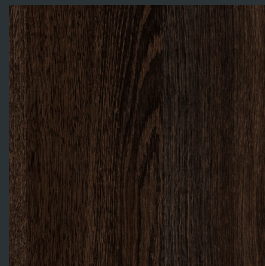
SHALE



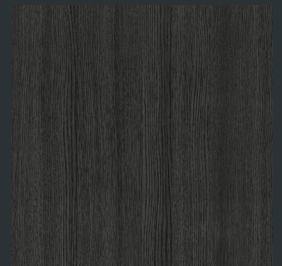
CHARRED WALNUT



FUMED OAK



BLACK FOREST OAK



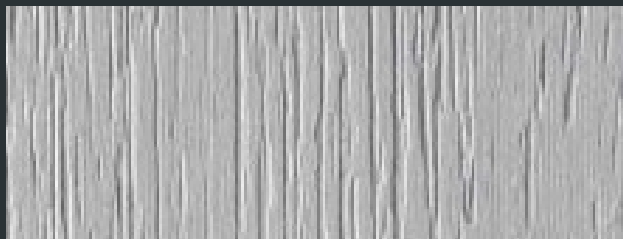
NEW OAK NOIR

PRIME FINISHES

Bosk panels are made to order and we offer a choice of finish textures for all colours in the range. There are five finish options available.

TIMBERLAND

See and feel the difference with the deeply textured and realistic Timberland finish. Available over all colours (excluding Prime Panels Nordic Ash and Tahoe Walnut), it looks superb on all the woodgrain decors, but also when pressed on darker colours such as Black or Carbon.



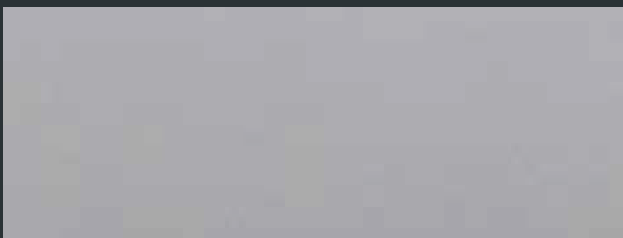
EMBOSSSED

A lightly textured orange-peel like surface with good scratch resistance.



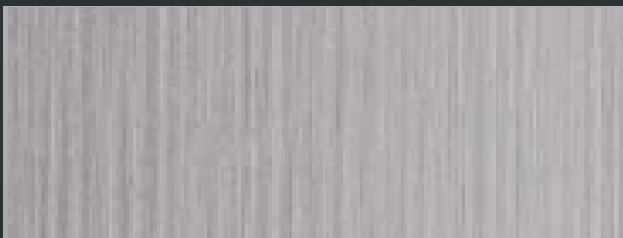
VELVET

A delicate, low sheen eggshell surface.



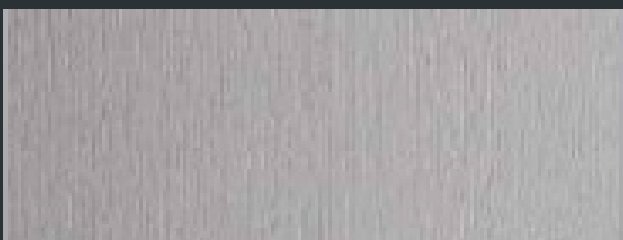
WILDERNESS

A textured grained surface with a linear timber effect.



WOODGRAIN

A natural grain texture simulating that of timber.



A scenic mountain landscape with a dense forest in the foreground and snow-capped peaks in the distance. The text "INSTALLATION & CARE" is centered in white, bold, sans-serif font.

INSTALLATION & CARE

INSTALLATION

Bosk panels must be installed by qualified tradesperson. Panels can be supplied with a factory finish to custom sizes. If full 2400x1200mm panels have been ordered, these may be cut to size on-site (with the exception of bespoke panels with an intumescent coating as all edges need finishing to meet fire codes). A suitable circular saw with a fine tooth crosscut blade (Carbide tipped) and straight edge can be used.

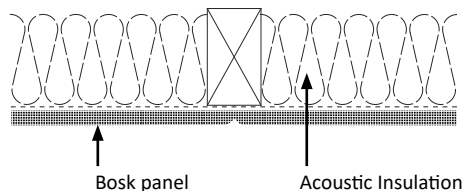
Inspect panels for any defects prior to installation and notify T&R Interior Systems immediately. Installation is deemed as acceptance of goods.

Bosk panels are an interior panel and are fixed to framing as you would any other wall/ceiling lining. See attached table for recommended fixing details. A good quality construction glue can be used with either a 50mm panel pin or counter sunk screw.

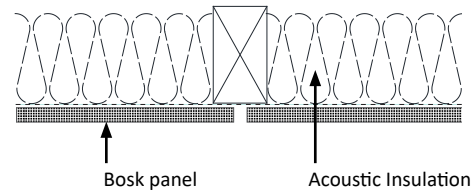
Dimensional movement is around 0.4%.

Panels must be pre-conditioned to the expected in-situ conditions prior to installation with a minimum 2mm gap between panels.

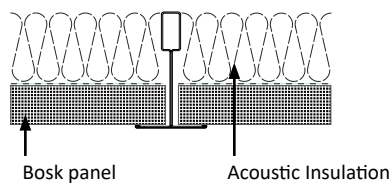
VEE JOINT



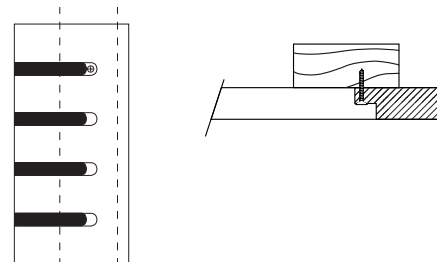
EXPRESSED JOINT



SUSPENDED CEILING



HIDDEN SLOT



Bosk panels are a prefinished timber product and should be treated with reasonable care.



CARE INSTRUCTIONS

CLEANING

Bosk panels are easy to care for and cleaning requires no more than a wipe with a damp cloth and warm soapy water. We recommend caution in using bleach and alcohol-based cleaners.

HANDLING

Keep work area clean and, where possible, use 2 people to lift each sheet. Do not slide panels across the decorative surface.

STORAGE

Bosk panels come pre-packaged in a solid sided pallet. On site, store pallet inside and make sure that panels are protected from direct sunlight and moisture. Remove solid top and sides to allow panels to equalise within the environment that they will be installed into for a minimum of 48 hours. If panels are removed from pallet and stored loose, please ensure that there is sufficient support to protect panels from sagging/warping prior to installation.

WARRANTY

Bosk panels carry a 10 year warranty. Warranty is void if product is exposed to excess moisture.



INT&RIOR SYSTEMS

Guiding Design • Informed Interiors



Scan to view Bosk
online.

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