

INT&RIOR SYSTEMS

Guiding Design • Informed Interiors

BOSK TIMBER ACOUSTIC PANELS



Bosk

BEAUTIFUL ACOUSTICS



Acoustic solutions, made in New Zealand.



Bosk

BEAUTIFUL ACOUSTICS

Create beautiful acoustic solutions for dynamic interiors with Bosk.

Bosk panels are perforated and slotted sheets in a variety of finishes which achieve a high level of absorptive acoustic performance. They are ideal for use in commercial interiors, lobbies, gymnasiums, restaurants, schools and residential applications. Bosk is highly durable and available in a many iterations 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 products' ability to absorb noise and the durable nature, Bosk are perfect for use in commercial interiors, lobbies, gymnasiums, restaurants, schools and residential applications.

Constructed in sheet form for easy use as a wall and ceiling lining and also available in tile form for placement in a suspended ceiling system.

Panels are sourced from the Prime Panel and Bestwood ranges from NZ Panels Group. Sheet options in 12mm or thicker are available for perforation or CAD slotting. This allows designers to mix and match perforated and non-perforated panels on site.

Bosk meets Group 1-S fire test requirement; or Group 3 test requirements dependant on substrate.

BEAUTIFUL ACOUSTIC SOLUTIONS

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 Christchurch Acoustic Testing Services and is dependant on the percentage of perforations or slots and the type of backing material.

The panels come with standard black acoustic backing material and additional polyester acoustic insulation is available. NRC ranges are from 0.35 up to 0.8, dependant on perforation.

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.

Bosk perforations can be infinitely customised. Panels are able to be cut into shapes and finishes can be chosen. T&R is very happy to help with any bespoke feature walls and ceilings. Contact us directly for tailored bespoke requirements.

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

THE ENVIRONMENT & BOSK

Bosk meets the growing needs of environmentally conscious customers through carefully chosen suppliers whose aligned values recognise environmental impacts. Panels are sourced from New Zealand Panels Group who work to create mindful manufacturing processes and reduce impact on the environment. Using Bosk has the ability to contribute Greenstar points in a project.

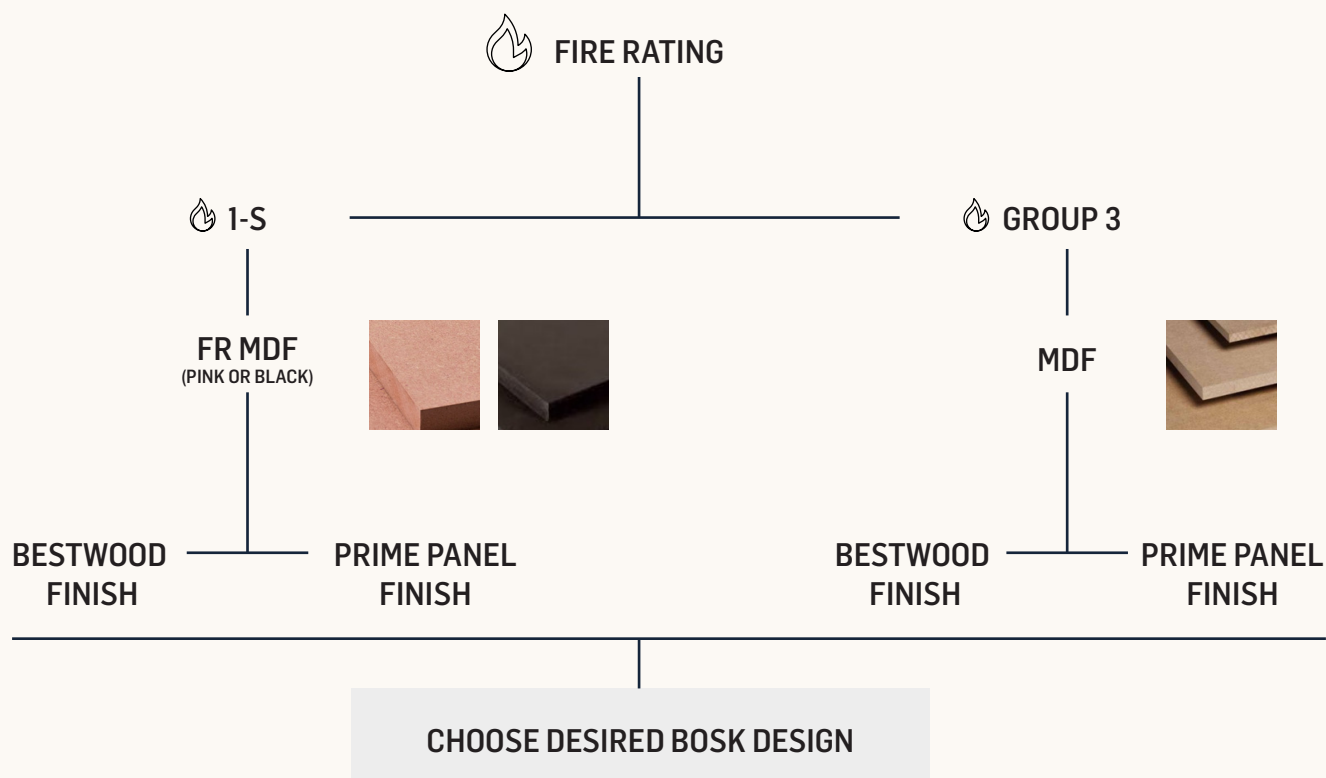
Bosk key initiatives include:

- 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 - PINK

FR MDF Pink is a flame retardant (fire tested to Group 1-S) medium density fibre board. It is Environmental Choice NZ accredited and meets Class E1 requirements for formaldehyde levels (analysed according to EN 120) as defined in EN 622-1:2003 European Standard.

FR MDF - BLACK

FR MDF Black is a flame retardant (fire tested to a European standard B-S1 which correlates to a NZ Group 1-S) medium density fibre board. The Black FR MDF is a 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

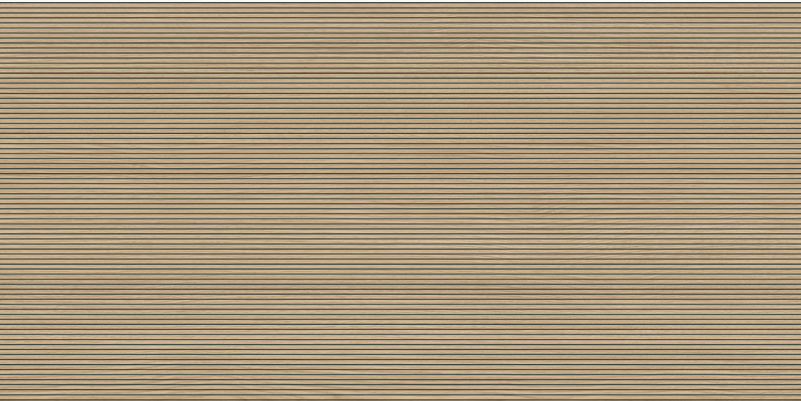
New Zealand made regular grade MDF has an excellent strength quality and surface smoothness with superior edge profile. The panel achieves a Group 3 finish.

WALL PANELS

Additional standard patterns developed regularly.
Contact T&R for current range.

2400x1200mm

Pattern Detail



STILT
NRC 0.75

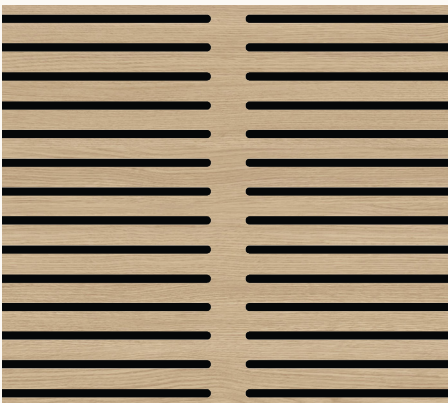
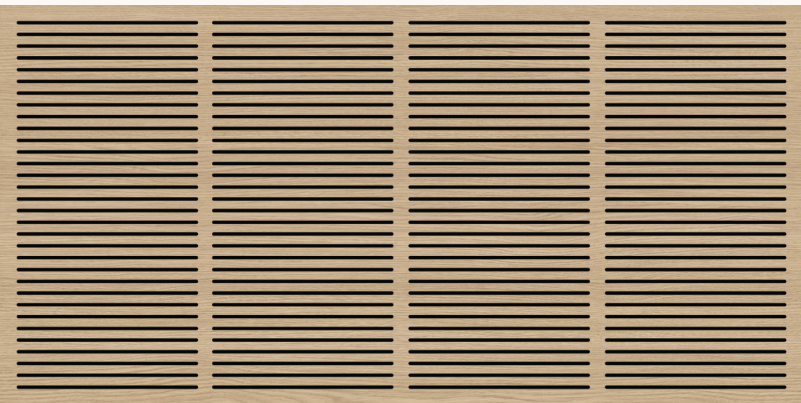
Acoustic absorption prediction.
(18mm panel only)

OPEN SPACE 19%



TAKAHE
NRC 0.45 (with insulation NRC 0.60)
Physical acoustic test (test report available).
(18mm panel only)

OPEN SPACE 9%



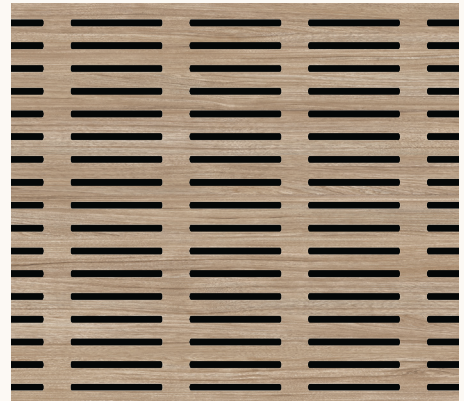
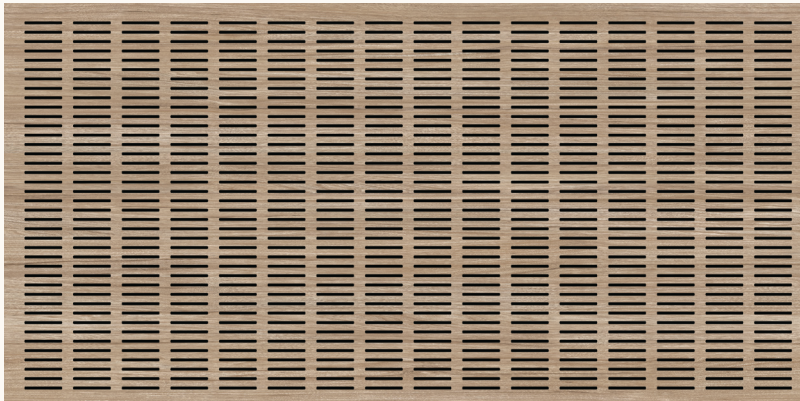
KERERU
NRC 0.75
Acoustic absorption prediction.

OPEN SPACE 19%

PERFECT OAK DISPLAYED

2400x1200mm

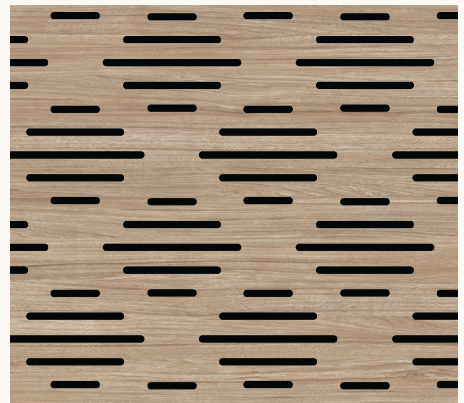
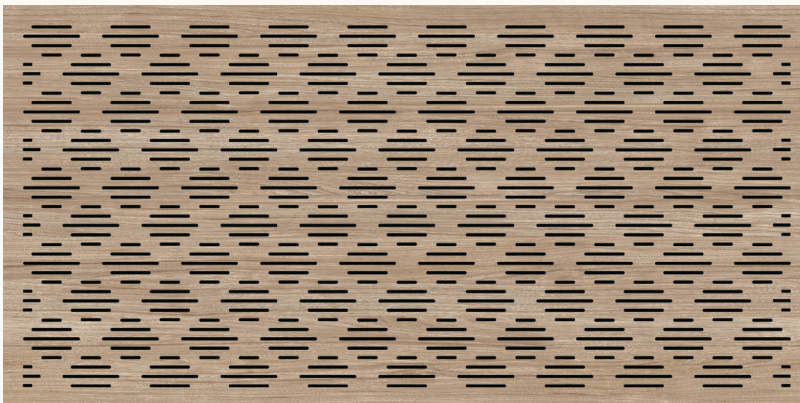
Pattern Detail



KAKA
NRC 0.75

Sound absorption prediction.

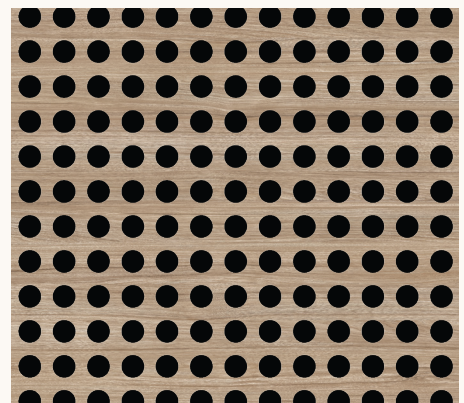
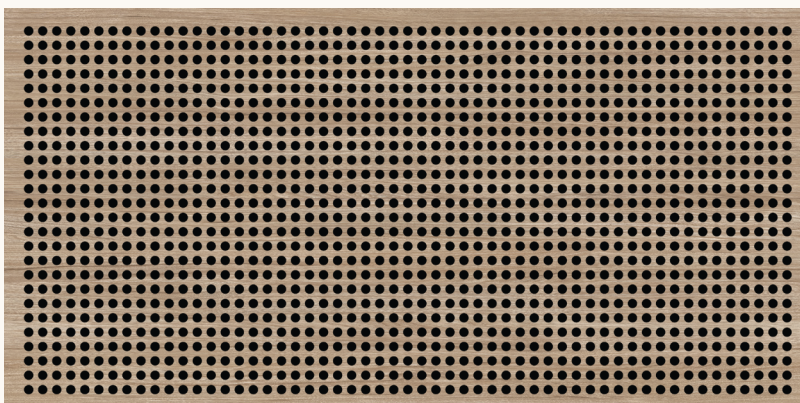
OPEN SPACE 21%



WEKA
NRC 0.75

Sound absorption prediction.

OPEN SPACE 20%



TUATARA
NRC 0.75 (with insulation NRC 0.85)

Physical acoustic test (test report available).

OPEN SPACE 25%

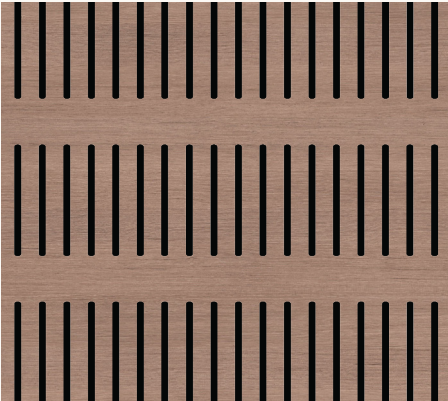
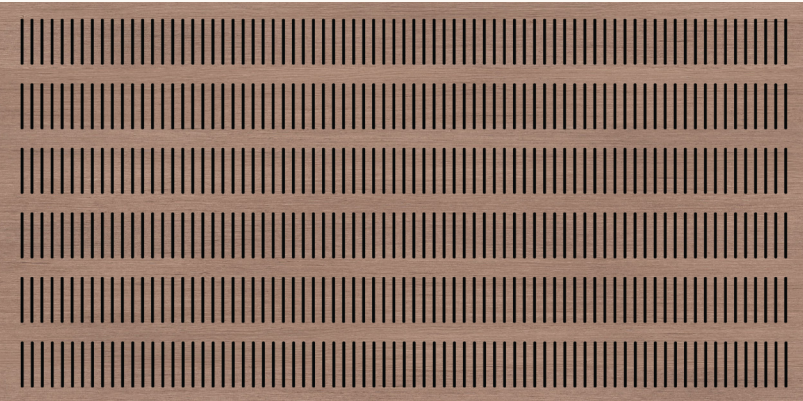
HONEY ASH DISPLAYED

WALL PANELS

Additional standard patterns developed regularly.
Contact T&R for current range.

2400x1200mm

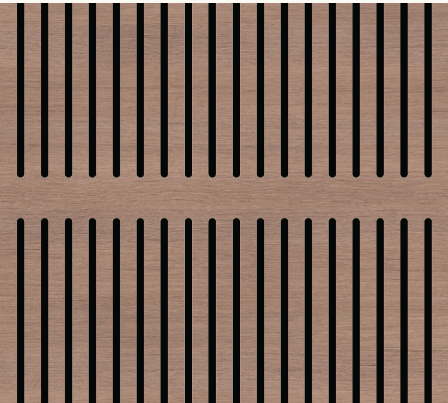
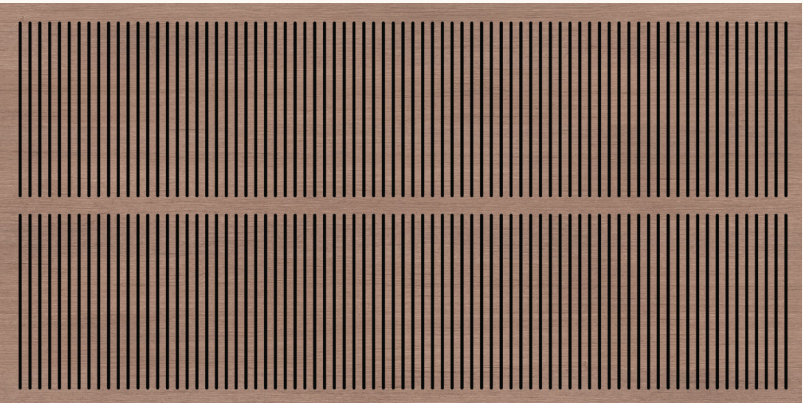
Pattern Detail



KIWI
NRC 0.75

Acoustic absorption prediction.

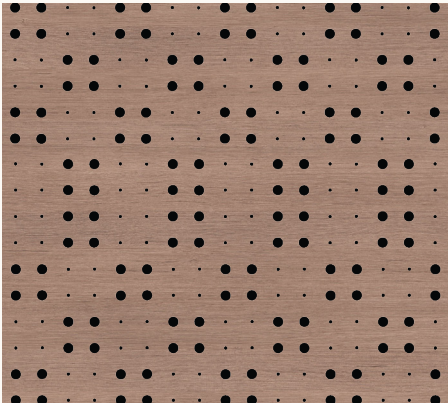
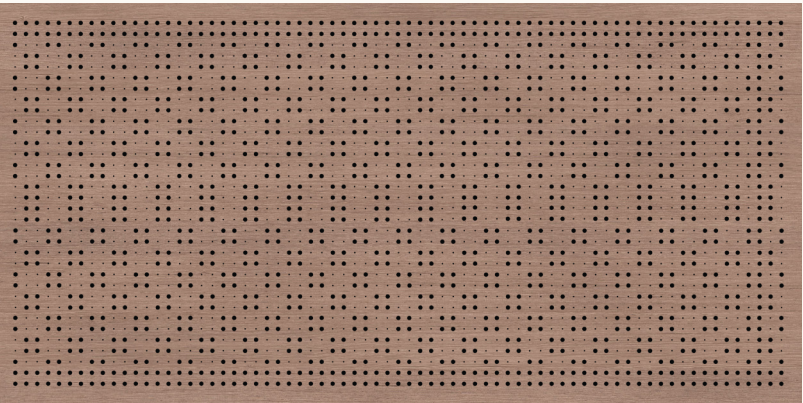
OPEN SPACE 18%



PUKEKO
NRC 0.65 (with insulation NRC 0.80)

Physical acoustic test (test report available).

OPEN SPACE 23%



RURU
NRC 0.35

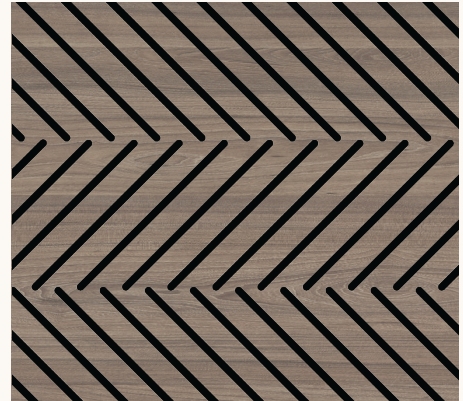
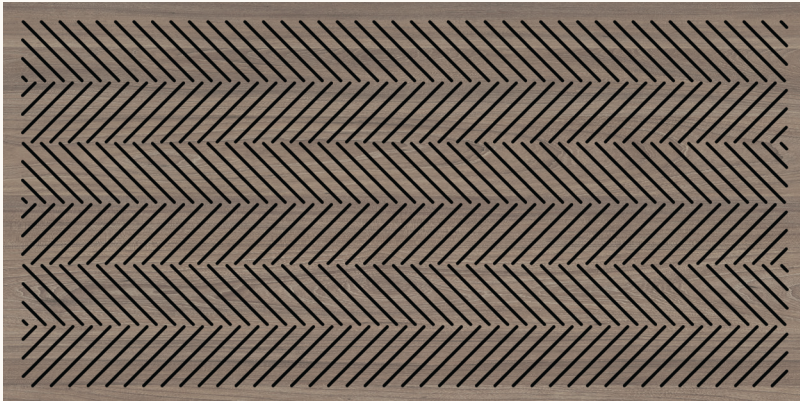
Acoustic absorption prediction.

OPEN SPACE 5%

MILAN PINE DISPLAYED

2400x1200mm

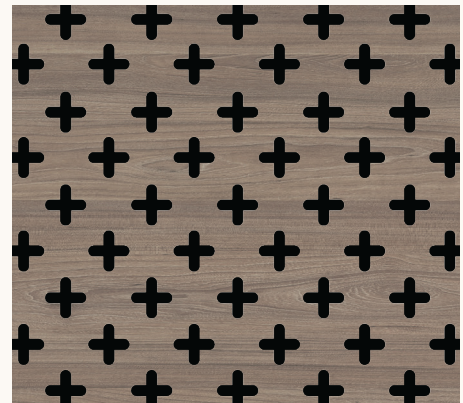
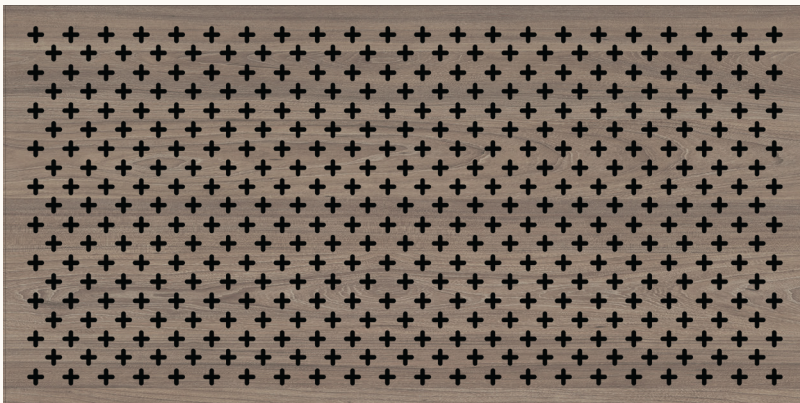
Pattern Detail



FANTAIL
NRC 0.75

Acoustic absorption prediction.

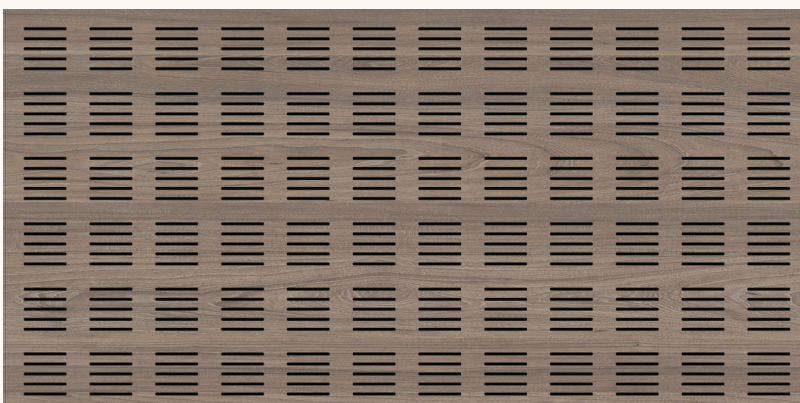
OPEN SPACE 16%



STITCHBIRD
NRC 0.40

Acoustic absorption prediction.

OPEN SPACE 9%



KEA
NRC 0.75

Acoustic absorption prediction.

OPEN SPACE 13%

DUSKY ELM DISPLAYED

CEILING TILES

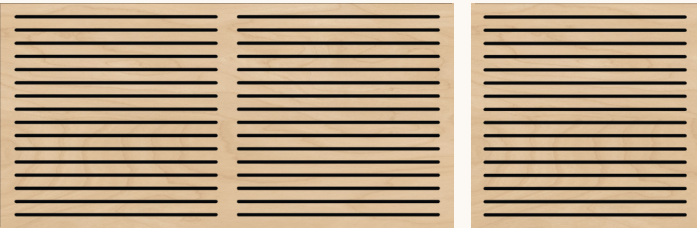
Additional standard patterns developed regularly.
Contact T&R for current range.



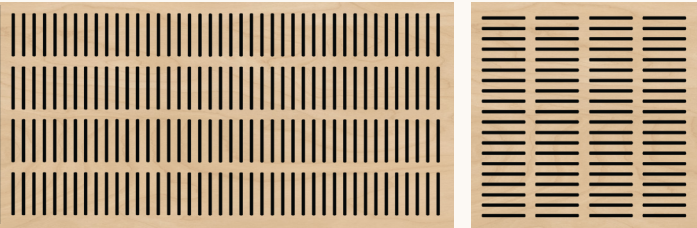
STILT



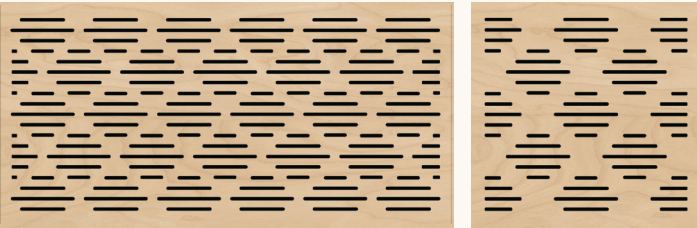
TAKAHE



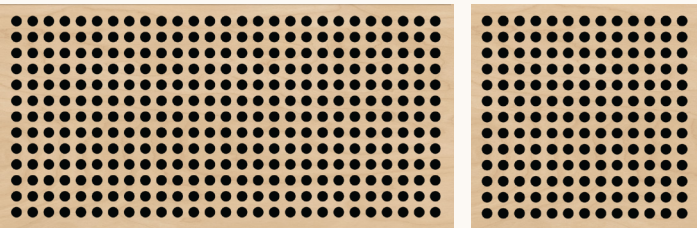
KERERU



KAKA



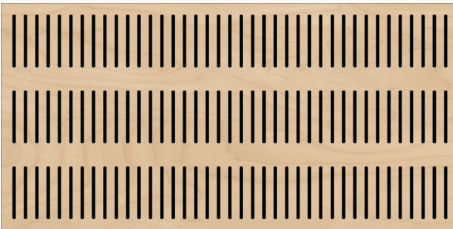
WEKA



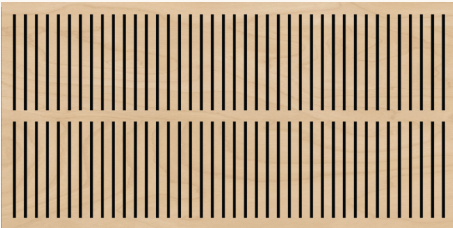
TUATARA

1200x600mm & 600x600mm

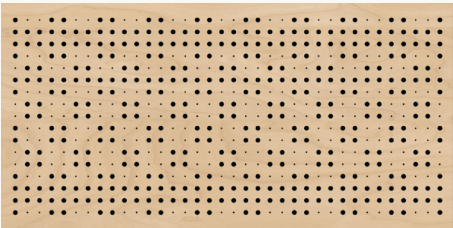
Pattern Detail



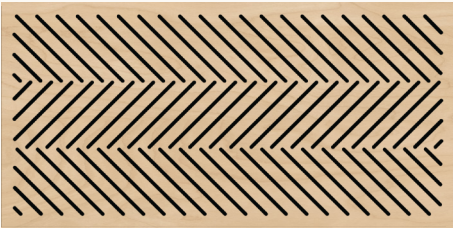
KIWI



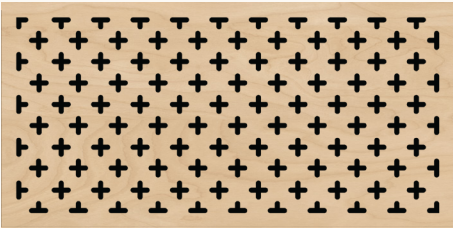
PUKEKO



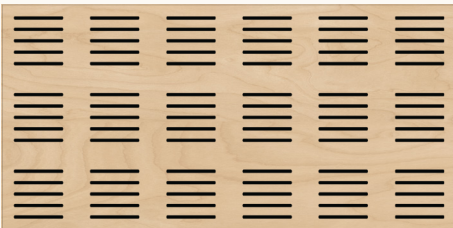
RURU



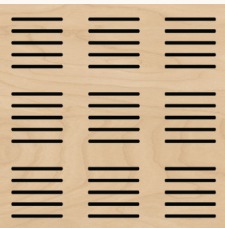
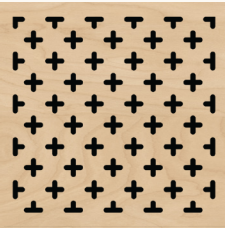
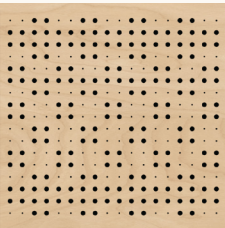
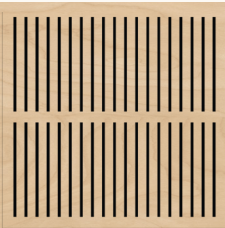
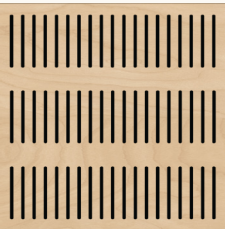
FANTAIL



STITCHBIRD



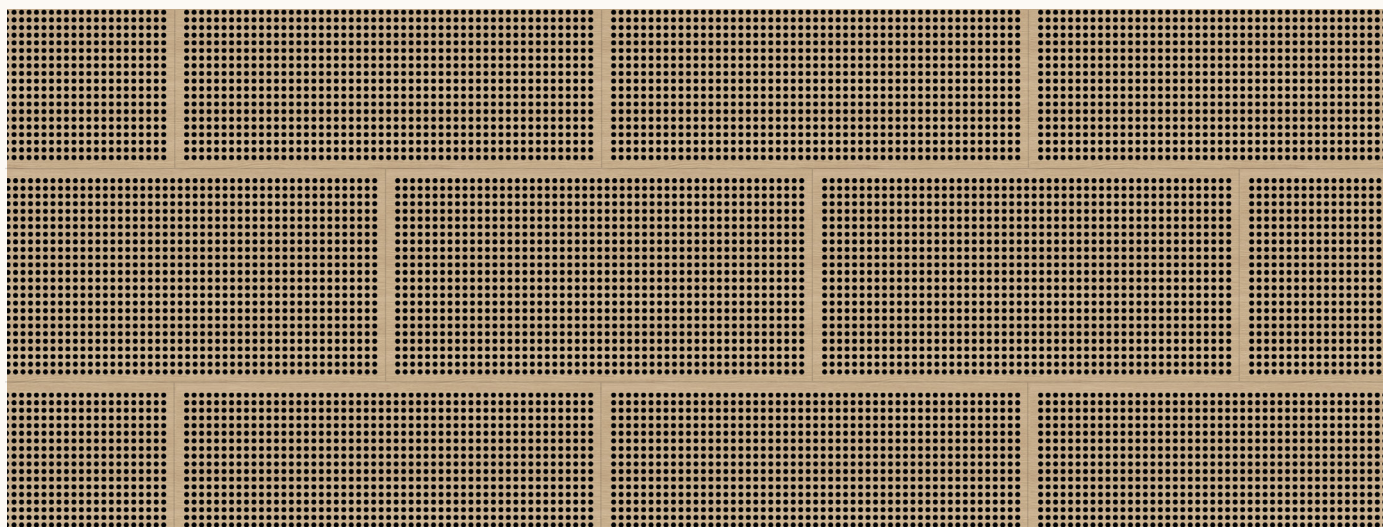
KEA



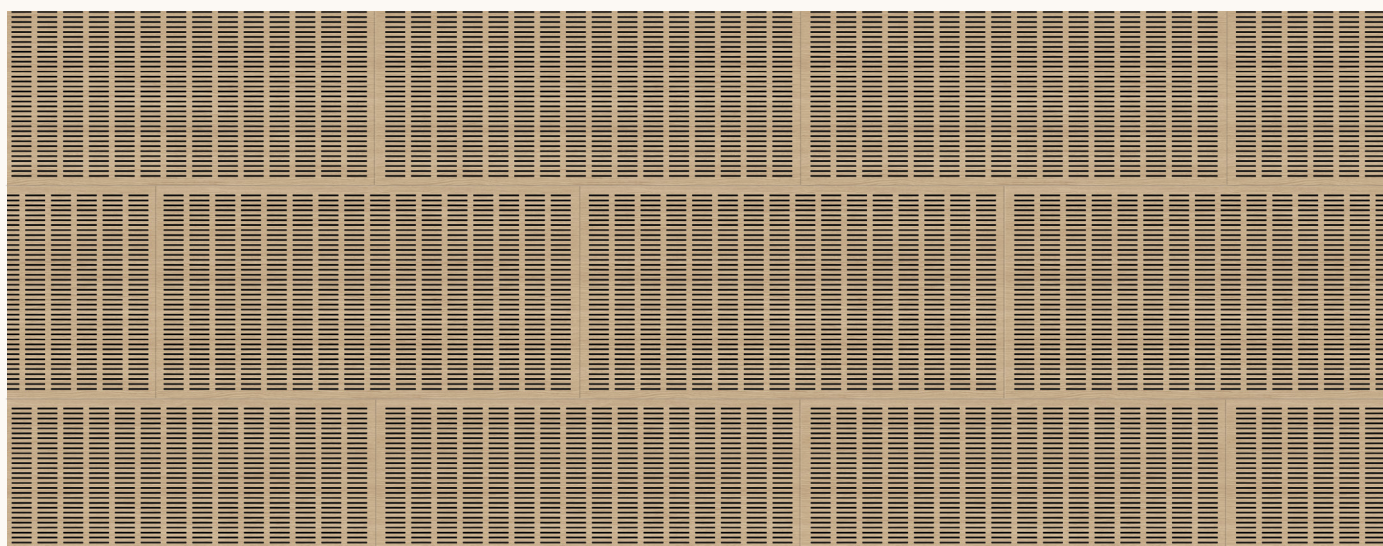
PREMIUM PLY DISPLAYED

FULL PANEL ARRAY

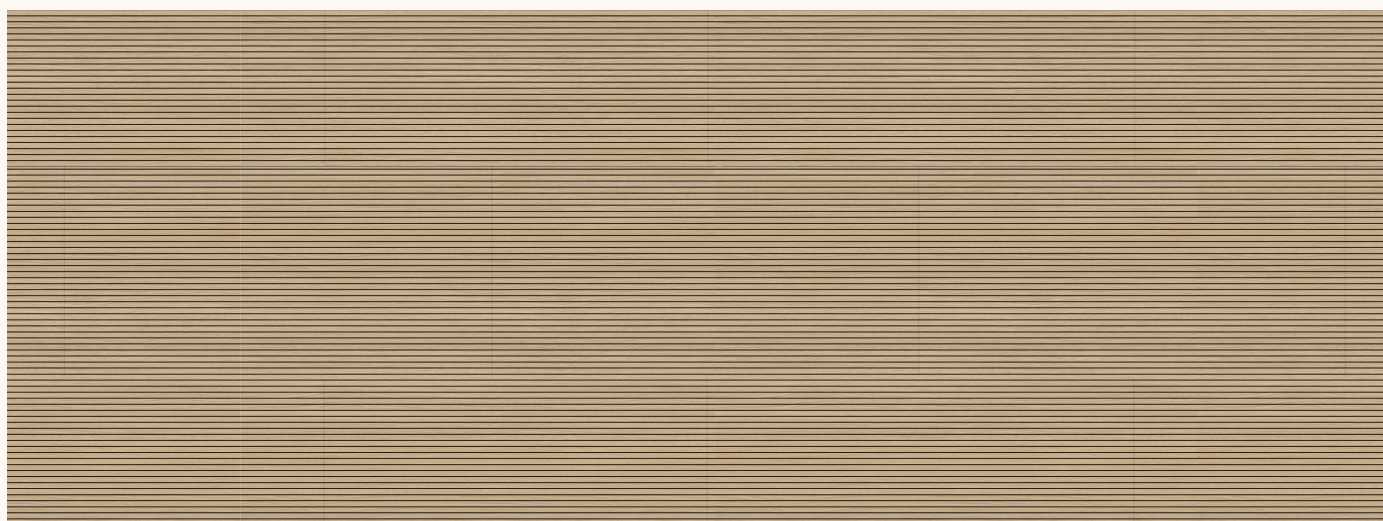
Full panels can be arranged in an ashlar pattern or parallel as shown in examples below.



TUATARA IN ASHLAR ARRAY



KAKA IN ASHLAR ARRAY



STILT ARRAY

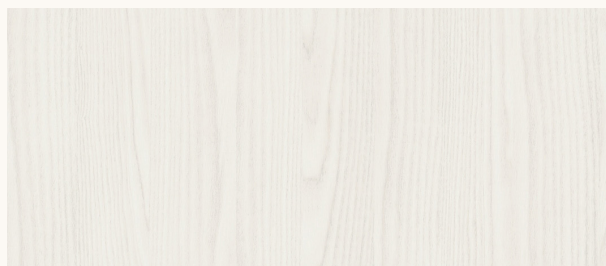
PERFECT OAK DISPLAYED

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.

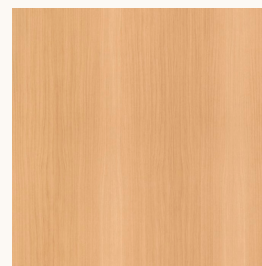
Bestwood Melamine has Environmental Choice NZ accreditation, giving you assurance that this New Zealand made product leaves a minimal footprint.



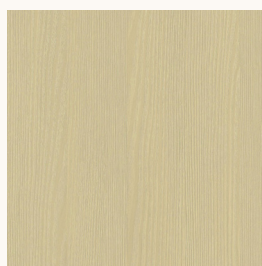
WASHED OAK



WASHED MAPLE



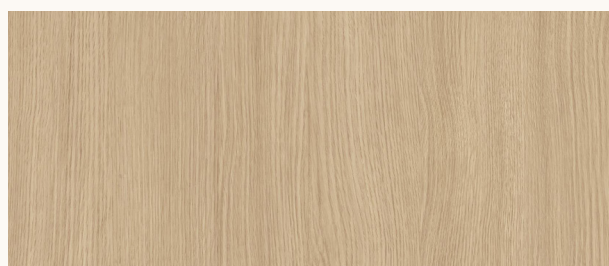
PERFECT TAWA



CAPE COD



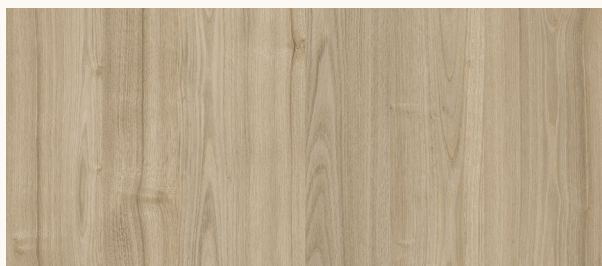
COASTAL ELM



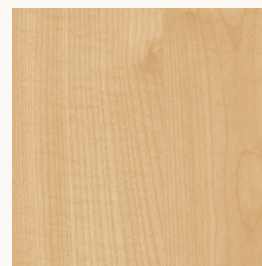
PERFECT OAK



VINTAGE ASH



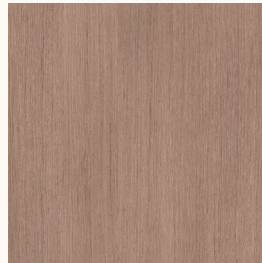
RANFURLY OAK



BEST MAPLE



SIMPLY EUCALYPTUS



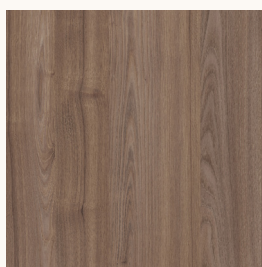
MILAN PINE



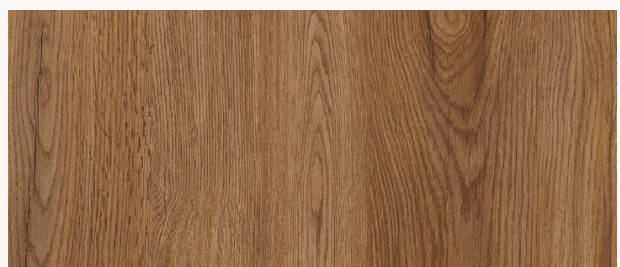
TREBLE BEECH



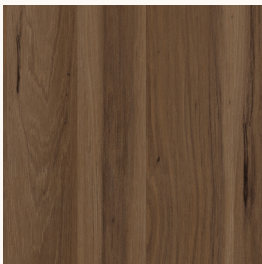
DUSKY ELM



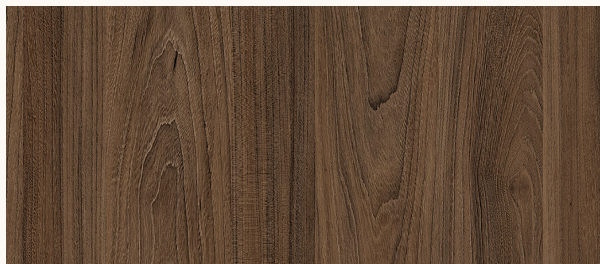
METHVEN OAK



SOUTHERN OAK



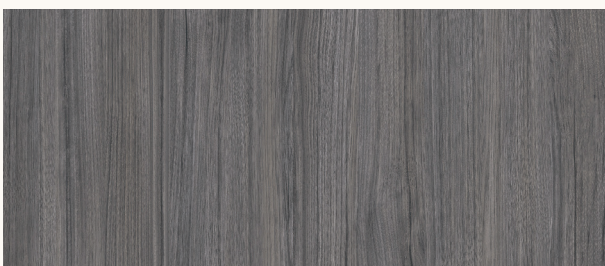
CLASSIC WALNUT



TASMAN ELM



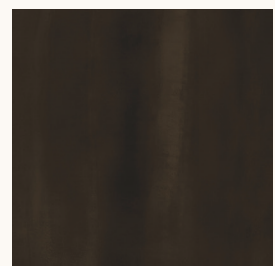
CORONET BEECH



SMOKED ASH



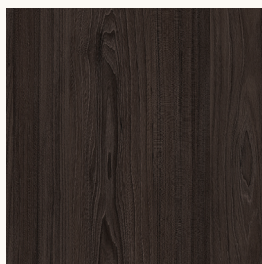
BLACKENED TEAK



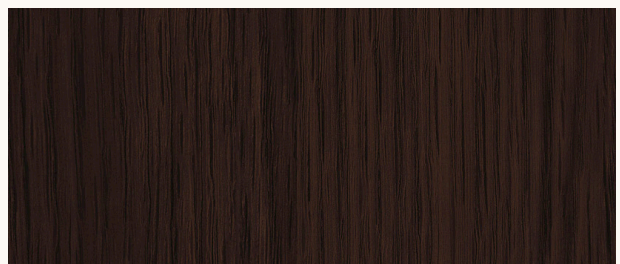
PATINA



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 nature beauty of timber, these panels provide a realistic experience for the senses.



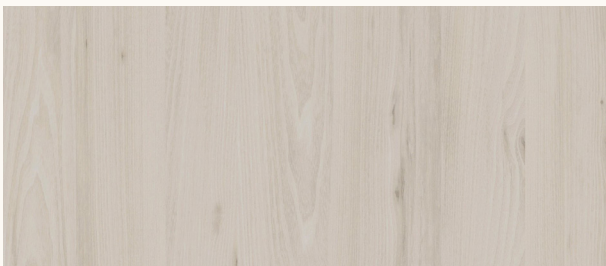
NORDIC ASH



WINTER WOOD



NORDIC PINE



HAMPTONS ELM



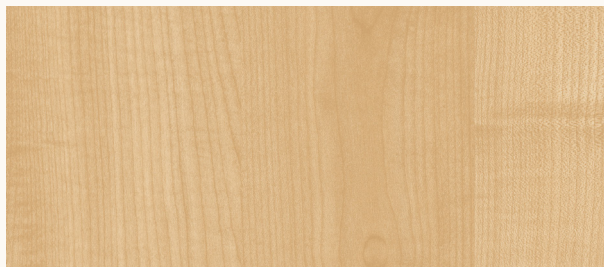
ASHEN WALNUT



BLEACHED MAPLE



PREMIUM OAK



PRIME MAPLE



PREMIUM PLY



PRIME TAWA



SOVEREIGN OAK



PRIME RIMU



OILED OAK



BAROQUE



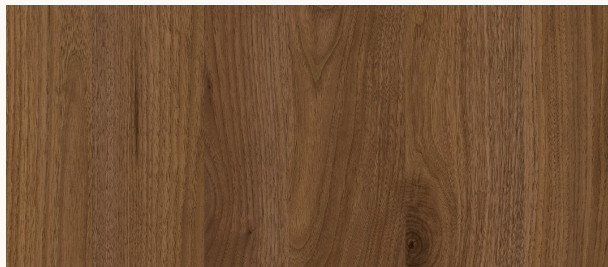
ORIGINAL OAK



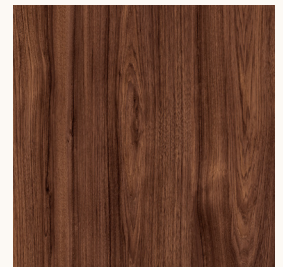
FRENCH OAK



SMOKEY OAK



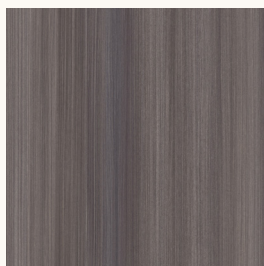
TAHOE WALNUT



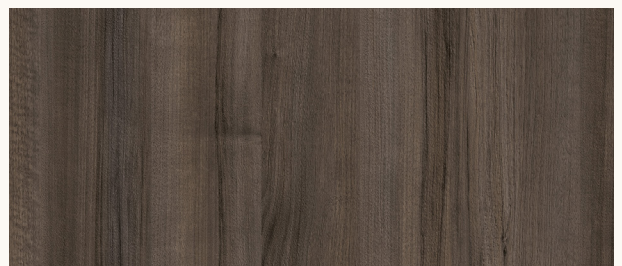
HICKORY WALNUT



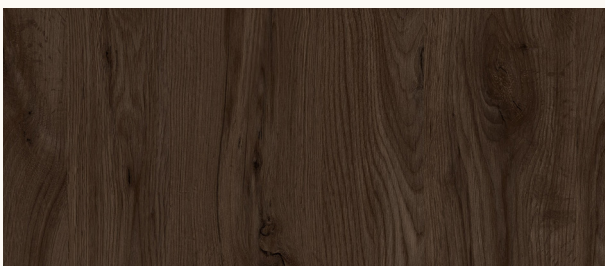
MANHATTAN ELM



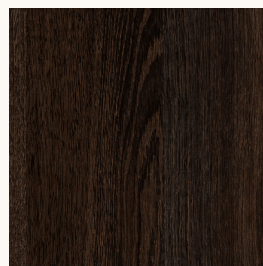
SHALE



CHARRED WALNUT



FUMED OAK



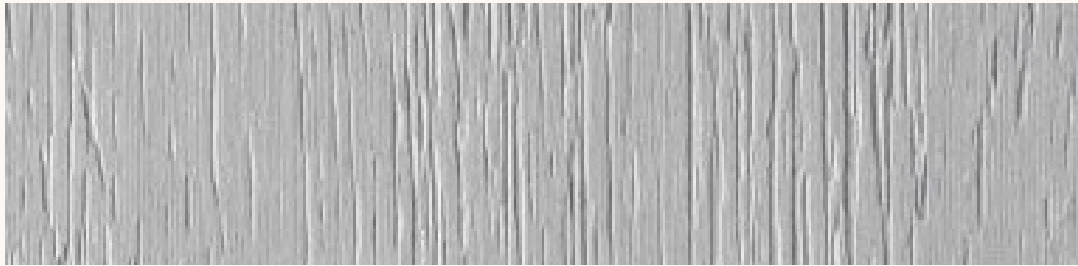
BLACK FOREST OAK



NEW OAK NOIR

AVAILABLE FINISHES

Bosk panels are made to order and we offer a choice of finish textures for all colours in the range. The finishes are applied when the paper is heat-pressed onto the substrate. There are five finish options available.



TIMBERLAND

See and feel the difference with the deeply textured and realistic Timberland finish. Available over all colours, 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.



WOODGRAIN

A natural grain texture simulating that of timber.



WILDERNESS

A textured grained surface with a linear timber effect.



CARE INSTRUCTIONS

CLEANING

Bosk panels are easy to care for and cleaning requires no more than a wipe with a damp cloth and hot 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.



ACOUSTIC TESTING

Three Bosc designs have been acoustically tested at Christchurch Acoustic Testing Services. Absorption testing was carried out according to ISO 423-99. Physical testing met or exceeded predicted results by Marshall Day Acoustics software.

TUATARA

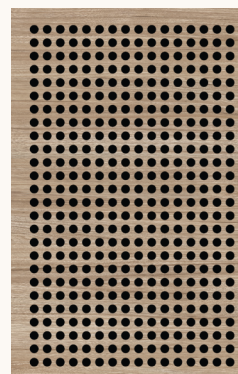
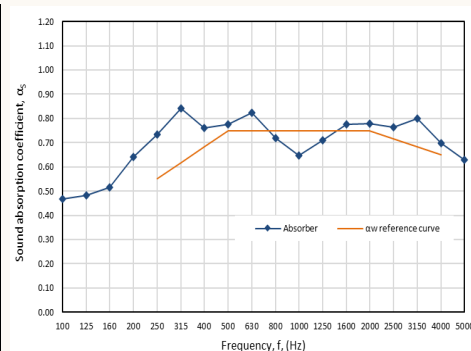
(E400 SBPE BACKING)

NRC 0.75

OPEN SPACE 25%

Installing insulation behind panel increases to NRC 0.85

Frequency f (Hz)	T_1 - With Sample (seconds)	α One-third octave
100	3.20	0.47
125	2.89	0.48
160	2.96	0.52
200	2.77	0.64
250	2.52	0.73
315	2.46	0.84
400	2.54	0.76
500	2.47	0.78
630	2.30	0.82
800	2.53	0.72
1000	2.59	0.65
1250	2.37	0.71
1600	2.11	0.78
2000	2.03	0.78
2500	1.97	0.76
3150	1.86	0.80
4000	1.76	0.70
5000	1.61	0.63





PUKEKO

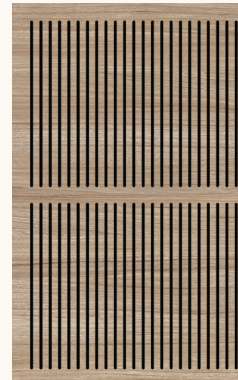
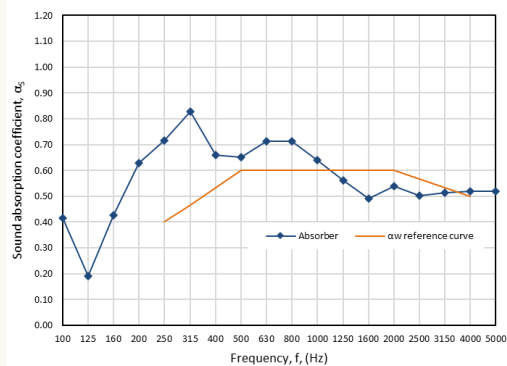
(E400 SBPE BACKING)

NRC 0.65

OPEN SPACE 23%

Installing insulation behind panel increases to NRC 0.80

Frequency f (Hz)	T2 - With Sample (seconds)	α_s One- third octave
100	3.38	0.42
125	3.92	0.19
160	3.25	0.43
200	2.82	0.63
250	2.58	0.72
315	2.50	0.83
400	2.77	0.66
500	2.76	0.65
630	2.52	0.71
800	2.56	0.71
1000	2.62	0.64
1250	2.67	0.56
1600	2.61	0.49
2000	2.40	0.54
2500	2.35	0.50
3150	2.23	0.51
4000	1.96	0.52
5000	1.72	0.52



TAKAHE

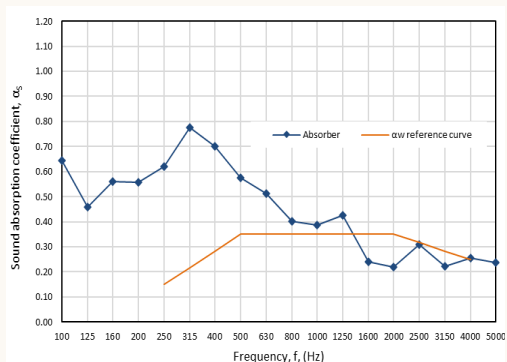
(E400 SBPE BACKING)

NRC 0.45

OPEN SPACE 9%

Installing insulation behind panel increases to NRC 0.60

Frequency f (Hz)	T2 - With Sample (seconds)	α_s One- third octave
100	2.72	0.64
125	2.95	0.46
160	2.85	0.56
200	2.99	0.56
250	2.77	0.62
315	2.59	0.78
400	2.66	0.70
500	2.92	0.58
630	2.96	0.51
800	3.37	0.40
1000	3.26	0.39
1250	2.99	0.43
1600	3.24	0.24
2000	3.11	0.22
2500	2.72	0.31
3150	2.77	0.22
4000	2.31	0.26
5000	2.00	0.24





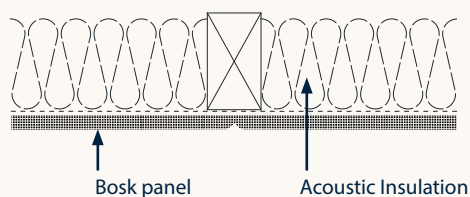
INSTALLATION

Bosk panels must be installed by qualified tradesmen. 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 skill saw with a fine tooth crosscut blade (Carbide tipped) and straight edge can be used.

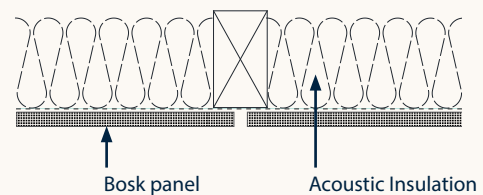
Inspect panels for any defects prior to installation and notify T&R Interior Systems immediately. Installation is deemed as acceptance of goods.

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.

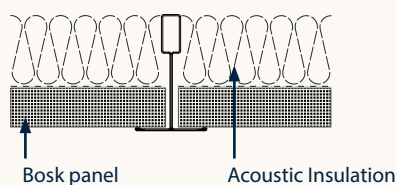
VEE JOINT



EXPRESSED JOINT



SUSPENDED CEILING



The use of acoustic fabric and polyester insulation simultaneously can have a negative effect on the NRC. Do not use together if there is any chance of the polyester resting on the fabric (using with an airgap is fine). If extra absorption is required when an airgap cannot be maintained; use polyester insulation without fabric.

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

Wellington Head Office
12 Glover St, Ngauranga
Wellington 6035
PO Box 38533
Wellington Mail Centre 5045
/t/ 04 499 5915

www.tris.co.nz

Auckland
19 - 21 Fairfax Ave,
Penrose, Auckland 1061
PO Box 112360,
Penrose, Auckland 1642
/t/ 09 571 0395

Christchurch
69 Disraeli St, Addington
Christchurch 8023
PO Box 7197
Christchurch 8240
/t/ 03 366 2507



Scan to view Bosk
online.

info@tris.co.nz

August 2020