

TILE WAREHOUSE

ALPINE
STONE COMPOSITE

Technically Advanced Overlay Flooring System
WATER-RESISTANT. DURABLE. QUALITY.

ALPINE Stone Composite Flooring provides exceptional durability, stability, and impact resistance.

Get the look and feel of **timber** without the susceptibility to water and UV damage as well as resealing and maintenance programmes. Floors should be made to last.

Our proven ALPINE flooring provides the warmth of timber with the durability of stone. An innovative click-together system alongside the pre-applied acoustic layer, allows for quick and easy installation.

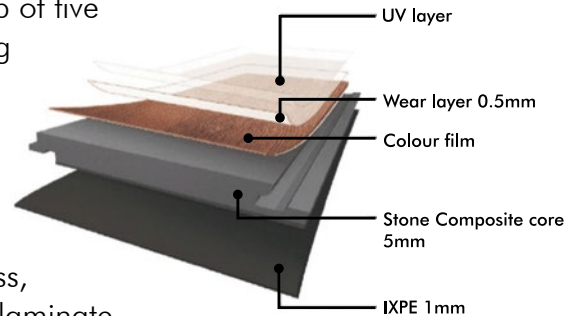


Warmth of timber. Durability of stone. ACOUSTIC OVERLAY FLOORING SYSTEM



The ALPINE Advantage: COMPOSITION

ALPINE planks are made up of five distinct layers, each working in partnership to create a floor that will stand up to the tough demands of life. These layers are bonded together in a one-step heat fusion process, not glued, so they won't delaminate.



ALPINE is suitable for kitchens under Tile Warehouses alternative solution regarding the E3/AS1 Building code. To contain any water overflows it is important to ensure water can be contained with:

- a sink overflow sufficient to drain maximum tap outflows
- a drip tray under the dishwasher drained to waste
- a drip tray under plumbed in fridges drained to waste

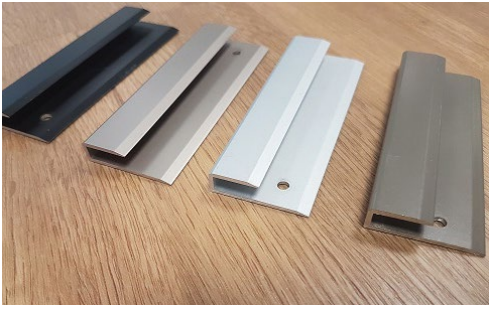
As Alpine is a product that can be immersed in water without being affected, it can be also be unclicked and re-laid.

Alpine is water resistant and not a waterproof system. We do not recommend ALPINE be used over waterproof membranes as water could pool in the void and encourage mould. The safest waterproof system for wet areas in your home is a compliant waterproof membrane encapsulated by tiles in accordance with the NZ Building code.

NB: SPC is not recommended for areas of high sun & high temperatures over 60°C.



We have the full ALPINE system ready for installation with accompanying trims in various colour options available!



Alpine Plank End Trim



Alpine Plank Edge Trim



Alpine Stair Trim

THE ALPINE RANGE

Plank Size: 230x1524x6.5mm



ALPINE
European Oak



ALPINE
Blackbutt



ALPINE
French Oak



ALPINE **Black**
Roasted Oak



ALPINE
Tasmanian Oak



ALPINE
Californian Oak

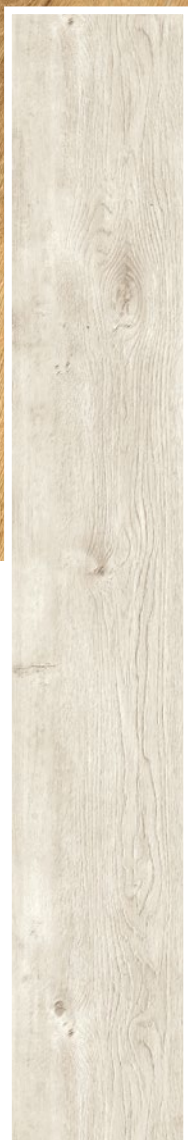


ALPINE
Spotted Gum

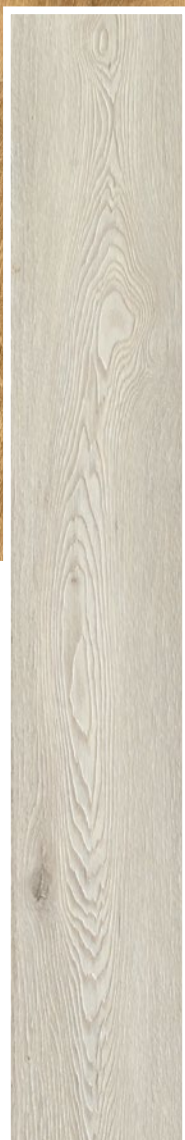
Stone Composite Flooring Solution

14
COLOURS
AVAILABLE

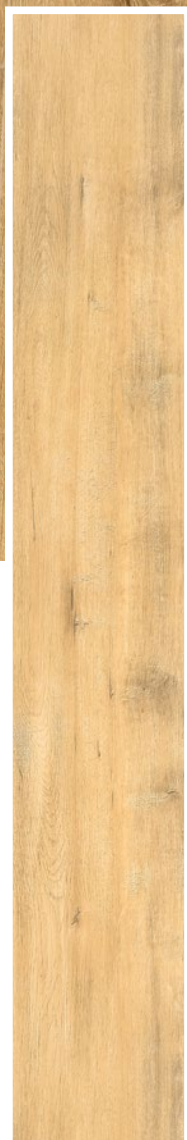
Authentic Oak design



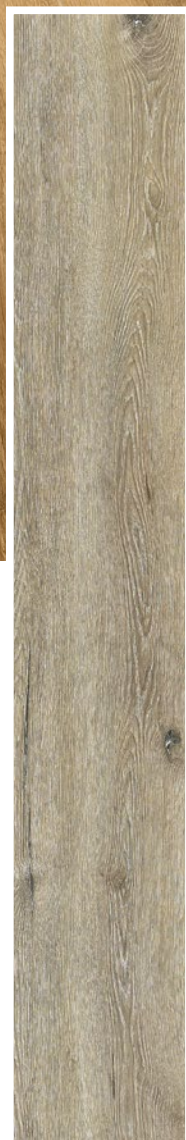
ALPINE
Clifton White



ALPINE
Chobe Oak



ALPINE
Golden Pine



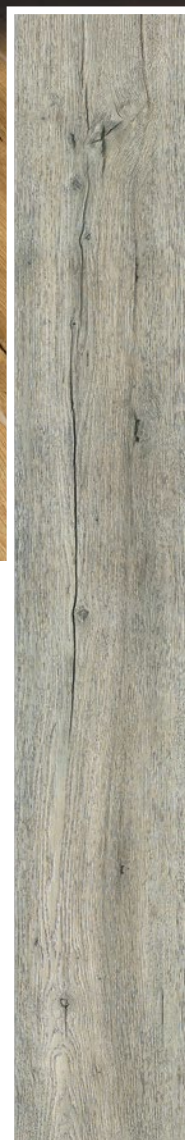
ALPINE
Letaba Wood



ALPINE
Mara Coffee



ALPINE Maroela
Almond



ALPINE Safari
Leadwood

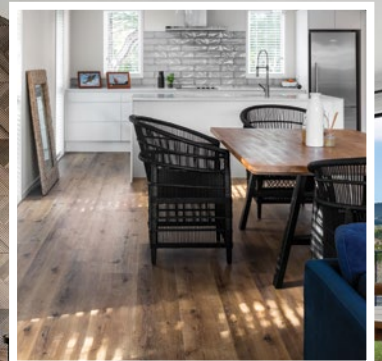
10 Year Guarantee

ALPINE
STONE COMPOSITE

CALIFORNIAN OAK



EUROPEAN OAK

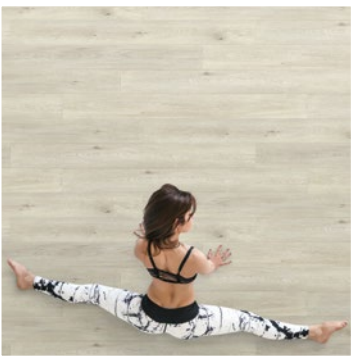




SPOTTED GUM



CHOBE OAK



LETABA WOOD



Stone Composite Flooring Solution

BLACKBUTT



GOLDEN PINE



CLIFTON WHITE



MARA COFFEE



MAROELA ALMOND



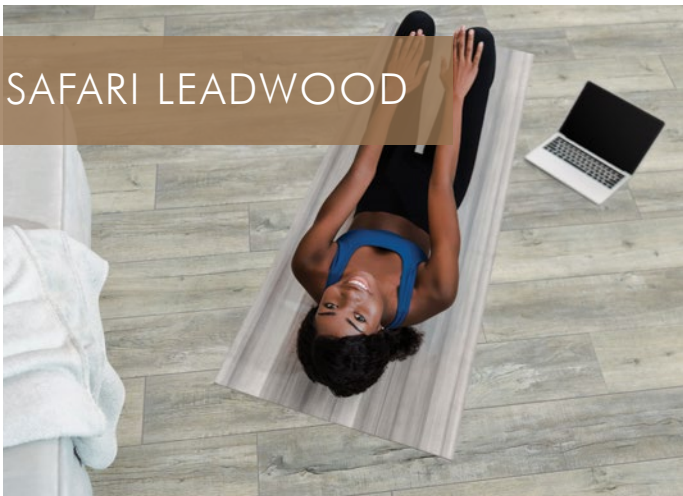
TASMANIAN OAK



BLACK ROASTED



SAFARI LEADWOOD



FRENCH OAK



Stone Composite Flooring Solution



Excellent
acoustic
noise-absorption
properties

BENEFITS

- Stone Composite is 4x more dimensionally stable than LVT and 10x more impact resistant than WPC
- Free of VOCs (Volatile Organic Compounds)
- Water resistant
- R9 slip resistance
P3 slip resistance (.37 Pendulum wet test)
- STC (Sound Transmission Class) = 67
- IIC (Impact Insulation Class) = 69
- Wear class 34 - heavy commercial
- Higher density, more rigid and more durable than laminate flooring means minor subfloor imperfections will not telegraph through
- Environmentally conscious primary material of 70% Limestone resulting in with extra rigidity
- Stain resistant
- Easy to maintain and clean
- Clear and concise installation methodology
- Easy click installation
- Large area installation without transitions
- Lower sound transmission; backed with IXPE. IXPE is in high demand as an acoustic soundproof material because of its exceptional qualities.

IXPE Foam:

- Sound-absorption and excellent insulation effect
 - Impact resistance and can be restored after strongly pressing
 - With the highest grade mechanical properties
 - Excellent thermal insulation, waterproof and moisture-proof
 - Non-toxic, odourless, chemical/oil/acid resistant
- The I4F “fold down” locking system has a far superior locking strength
 - Made from all Virgin material yet 100% recyclable
 - Orthophthalates-free, No DOP, No DINP
 - FloorScore accredited production
 - In the case of a flood, floor can be unzipped, dried and re-laid (unlike laminate, carpet or wooden flooring).



PHYSICAL PROPERTIES

	Category	Test Method	Requirement	ALPINE	Result
Heat exposure resistance 60°C	EN 16511	ISO 23999	$\Delta W/\Delta L \leq 0.25\%$	0.03%	Exceeds requirement
	ASTM 1700	ASTM F2199	$\Delta W/\Delta L \leq 0.16\%$	0.03%	Exceeds requirement
Dimensional variation (humidity change)	EN 16511	ISO 24339	$\Delta W/\Delta L \leq 0.15\%$	$\Delta W/\Delta L \leq 0.01\%$	Exceeds requirement
Swelling after submersion in water	EN 16511	ISO 24336	$\leq 12\%$	0%	Exceeds requirement
	NALFA LF 01-2011	NALFA LF 01-2011	$\leq 12\%$	0%	Exceeds requirement
Thermal conductivity	En 14041	EN 12667	class	0.173 W/(m.k)	Complies sub-floor heating
Thermal resistance (R value)	ASTM C518	EN 12667/ASTM C518	class	0.033 m ² ·K/W	Complies sub-floor heating
Reaction to fire	EN 14041	EN 13051-1	class	CHF=9.4kW/m ²	Class Bfl-S1
Fire resistance (CHF)	ASTM E648	ASTM E648/662	class	0.94 W/cm ²	Class I
Wear resistance (20Mil)	IOS 1518	ISO 1519-1	$\leq 0.015\text{g}/1000 \text{ rev}$	0.008	Pass
	EN 16511	EN 13329	$\geq 4000 \text{ cycles}$	9600	Class 34, Heavy commercial
	NALFA LF 01-2011	NALFA LF 01-2011	$\geq 6000 \text{ cycles}$	9600	Class 4, Heavy commercial
Scratch	ISO 1518	ISO 1518-1	$\geq 2500\text{g}$	3500g	Pass
Peeling strength	EN 649	EN 431	$\geq 60\text{N}/50\text{mm}$	65	Pass
Surface bonding	NALFA LF 01-2011	EN311/NALFA LF 01-2011	$\geq 1.5 \text{ N}/\text{mm}^2$	1.56 N/mm ²	Class 4, Heavy commercial
Static load	NALFA LF 01-2011	ASTM F970	$\geq 13.8\text{Mpa}$ (2000psi/450kg)	0.05mm - Pass	Class 4, Heavy commercial
Residual indentation	ASTM F1700	ASTM F1914	$\leq 8\%$ (140 lbs/63kg)	1.90%	Exceeds requirement
	EN 16511	EN 433/ISO 24343-1	$\leq 0.15\text{mm}$	0.03	Class 34, Heavy commercial
"Impact resistance (big ball)"	EN 16511	EN 13329	$\geq 1800\text{mm}$	≥ 1800	IC3, Class 34, Heavy commercial
	NALFA LF 01-2011	NALFA LF 01-2011	$\geq 1400\text{mm}$	≥ 1400	Class 4, Heavy commercial
"Impact resistance (small ball)"	EN 13329	EN 438	$\geq 15 \text{ N}$	23	IC3, Class 34, Heavy commercial
	NALFA LF 01-2011	NALFA LF 01-2011	$\geq 500\text{mm}$ (19.7 in)	1000	Class 4, Heavy commercial
Slip resistance	EN 14041	EN 13893	DryCOF ≥ 0.3	0.51	Class DS
	ASTM C1028	ASTM C1028	≥ 0.5	Dry: 0.8, Wet: 0.76	Meet ADA recommendation
	ASTM C1028	D 51130	$\geq \text{R9}$	R9	Anti-slip resistance R9
Colour fastness to light	EN 13329	ISO 105-B02 Method 3a	$\geq \text{Grade 6}$	≥ 6	Pass
	NALFA LF 01-2011	NALFA LF 01-2011	Slight change only	Slight change only	Class 4, Heavy commercial
Resistance to staining			Group 1 and 2:	Group 1 and 2:	
	EN 16511	EN 438-2	grade 5, group 3:	grade 5, group 3:	Class 34, Heavy commercial
			grade 4	grade 4	
	ASTM F1700	ASTM F925	Slight change only	Slight change only	Pass
	NALFA LF 01-2011	NALFA LF 01-2011	Slight change only	Slight change only	Class 4, Heavy commercial
Castor Chair	ISO 10582	ISO 4918	Slight change only	Slight change only	Pass

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 **tile**
warehouse
for design inspiration

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