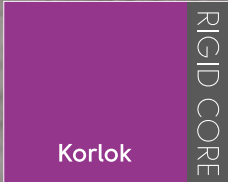




Karndean
Designflooring



Korlok
Commercial





At Karndean we see flooring differently...

We travel the world in our quest to bring you exceptional floors that inspire and delight. From the ancient forests of Europe, to the remote Australian outback and beyond, we seek out expressive and intriguing forms in the natural world to influence our unique floor designs.

By combining these original features with cutting edge design, we create simply beautiful floors that bring your vision to life.



Korlok

Korlok is a rigid core flooring product, and as such, is an ideal alternative to laminate and engineered hardwood click floors. Offering quick and easy installation and hiding subfloor imperfections, it also has the durable and waterproof qualities of luxury vinyl.

With 20 authentic wood designs inspired by Australian, European and North American woods, Korlok can reduce noise transfer to rooms below without the need for separate underlay.

Korlok can be installed over most existing hard surface floors or uneven subfloors without the worry of exposing any imperfections underfoot, thanks to its innovative K-Core technology. It also features a superior 5G® vertical click-locking mechanism and pre-attached acoustic foam backing for quick and easy installation. The familiar click-locking system and enhanced core technology guarantees an authentic and luxurious Karndean floor in any space with minimal subfloor preparation, meaning less upheaval and disruption onsite.

Why Karndean?

All the benefits of Karndean Designflooring



Realistic designs

Inspired by nature, our products are designed in-house and realistically replicate the look and feel of real wood materials.



Durable

Compared to other flooring alternatives, Karndean gives you the look and feel of natural products but with the durability and resilience of luxury vinyl.



Acoustic qualities

Reduces noise transfer to rooms below by 19dB, making it perfect for upstairs bedrooms, playrooms or attic/loft conversions, as well as multifamily or office blocks.



Environmentally friendly

All Karndean floors are 100% recyclable and environmentally friendly.



Waterproof

Karndean's waterproof floors stand up to spills of all sizes.



Low maintenance

Easy to clean with a sweep or mop. Doesn't require sanding, varnishing or staining.



Comfortable underfoot

The look of real wood and stone, with the practical benefits of luxury vinyl.



Compatible with underfloor heating

Up to 27°C.



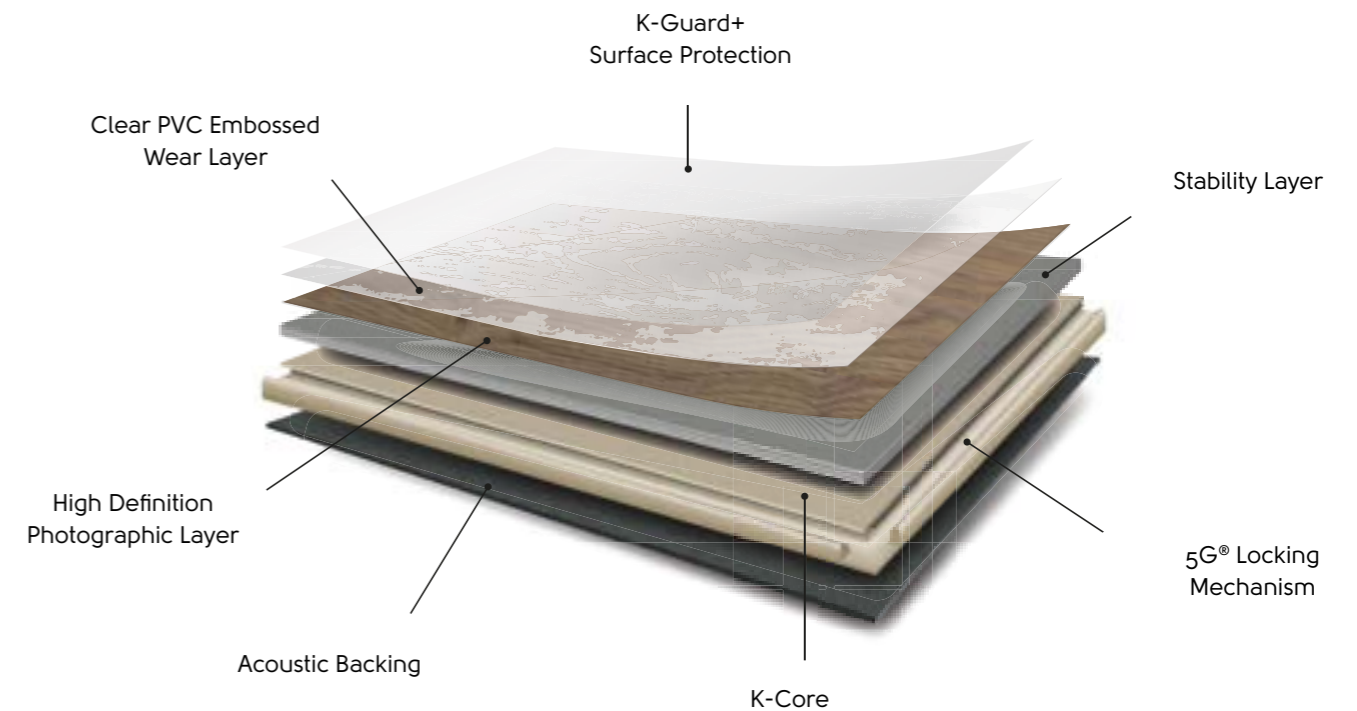
Lifetime warranty

Every Karndean floor is guaranteed to last for years to come.

Why Korlok?

Unlike laminates and wood flooring, Korlok is completely waterproof, making it a great choice in wet areas such as bathrooms and kitchens with the added benefit of a superior R10 slip rating.

Korlok's unique K-Core technology and added acoustic backing tolerates up to 5mm variation in subfloor imperfections, allowing drop lock over existing hard floors – saving you time and money. With no requirement for adhesive, additional savings are added into your next project when selecting Korlok flooring.



All the benefits of Karndean with the added benefits of...



Acoustic qualities

Superior noise reduction surpassing both Australian and New Zealand acoustic requirements.

ISO717.2 = L_{nw} 52dB
ASTM E492-09 = IIC 62dB



Installs over existing hard floors

Korlok can be installed over most existing hard floor coverings, including ceramic and porcelain tiles.



Featuring Australian woods

Native Australian species feature heavily in this range with Spotted Gum, Blackbutt and Ghost Gum all represented.



No need for adhesive

Planks simply click into place with minimal prep time.

Where is Korlok used?



Warm Spotted Gum RKP8118

Australian Ghost Gum RKP8120

Baltic Washed Oak RKP8101

Retail

With the highest abrasion wear rating (Group T) and availability in a wide range of colours and designs, you can create inspiring retail flooring designs that are not only stylish, but also durable to withstand heavy footfall. Its simple 5G® click-lock mechanism also reduces store downtime.

Multi-Res Dwellings

Korlok's in-built acoustic backing reduces noise transfer meaning quicker installation time as well as reduced cost. It achieves an acoustic rating of 52dB compliant with national building standards.

New Housebuild

The familiar click-locking system and enhanced core technology means homeowners can achieve an authentic and luxurious Karndean floor in any space with minimal subfloor preparation, meaning less upheaval and disruption to everyday life.

Whereas laminate is limited to dry rooms, Korlok is also waterproof which means it is suitable for wet areas including bathrooms, laundries and kitchens. Karndean can be specified throughout the entire project.



Warm Ash RKP8103

Weathered Spotted Gum RKP8119

Education

Korlok is an excellent solution for busy education environments where durability is of paramount importance. Its softer underfoot than many hard floors, providing a more comfortable and quieter environment for students and faculty staff.

Offices

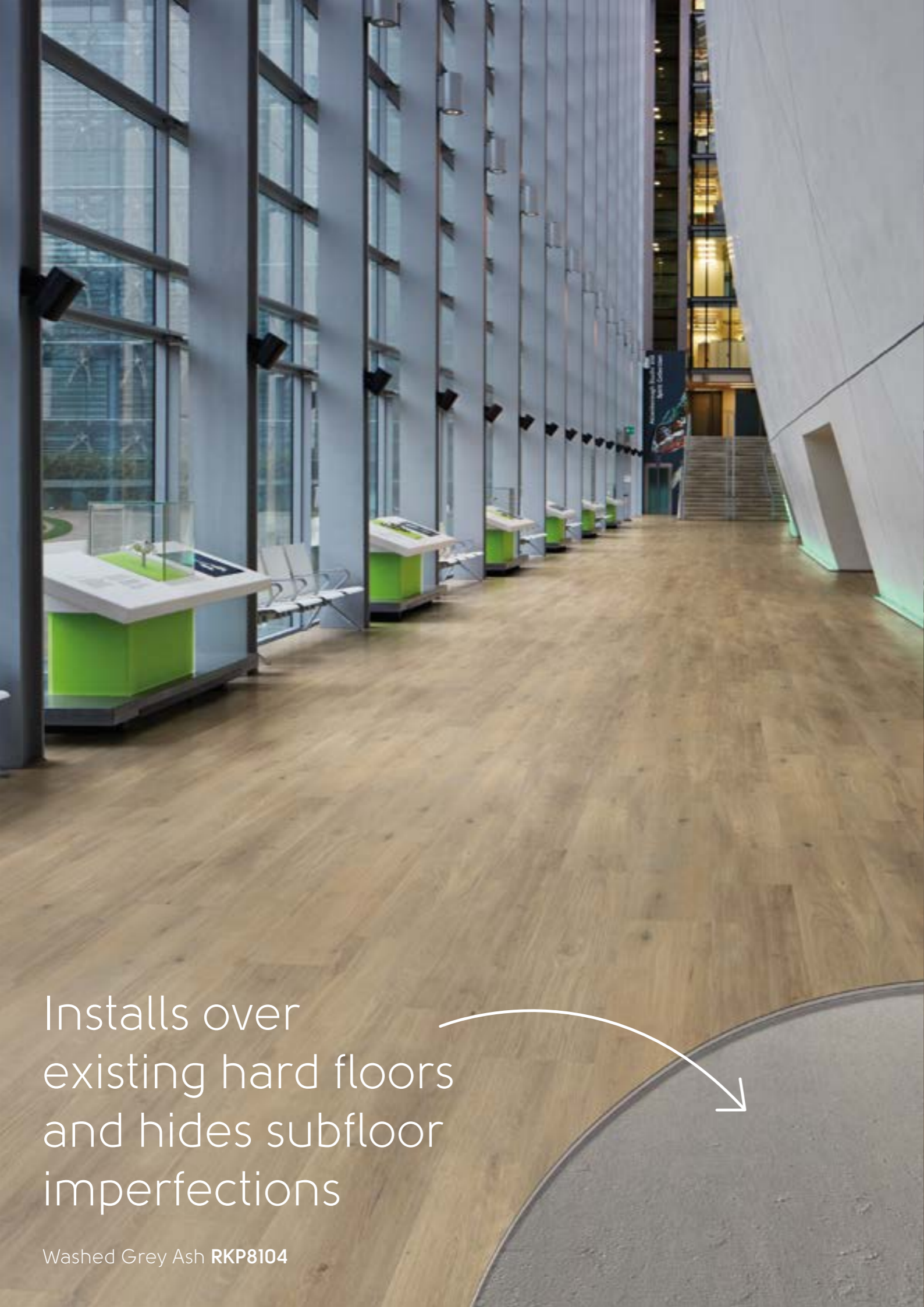
Korlok is an ideal option for office flooring, creating a space that's inspiring and practical. Its 5G® click-locking allows the installer to quickly drop and lock planks together, meaning quicker turnaround for your office clients.



Warm Ash RKP8103



Lifetime Warranty



Installs over
existing hard floors
and hides subfloor
imperfections



Washed Grey Ash RKP8104



new

Stained Acacia RKP8213

Korlok at a glance...

1420mm x 225mm (56" x 9")



Frosted Acacia **RKP8201**



Texas White Ash **RKP8105**



Nimbus Oak **RKP8205**



Baltic Mistral Oak **RKP8112**



Grey Brushed Oak **RKP8216**



Washed Butternut **RKP8108**



Silver Barnwood **RKP8208**



Light Barnwood **RKP8207**



Canadian Urban Oak **RKP8116**



Baltic Washed Oak **RKP8101**



Warm Ash **RKP8103**



Natural Blackbutt **RKP8121**



Washed Grey Ash **RKP8104**



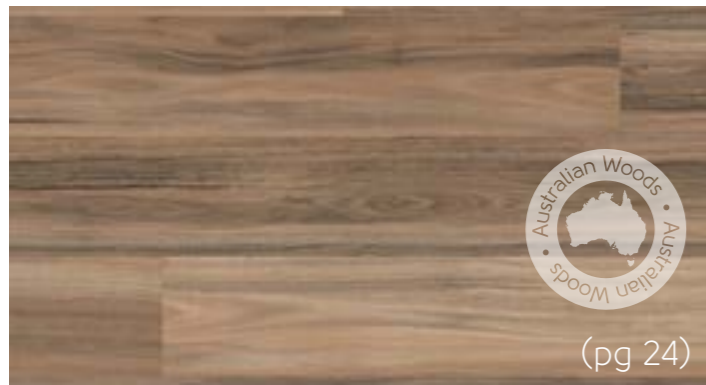
Shadow Oak **RKP8203**



Warm Spotted Gum **RKP8118**



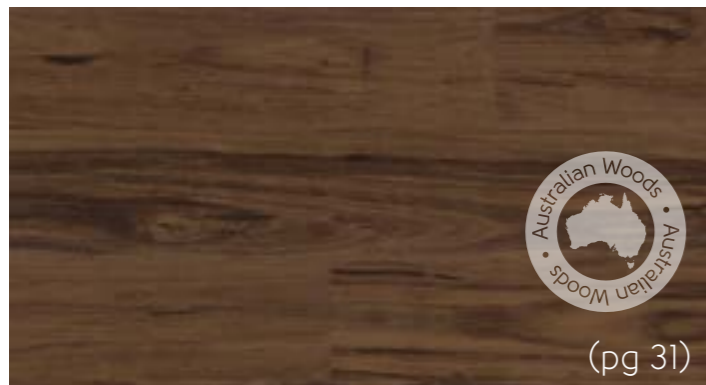
Weathered Spotted Gum **RKP8119**



Australian Ghost Gum **RKP8120**



Stained Acacia **RKP8213**



Smoked Blackbutt **RKP8106**



Carbon Oak **RKP8210**



Smoked Blackbutt **RKP8106**



new
Frosted Acacia **RKP8201**



Waterproof

Unlike laminate or wood flooring, Korlok is completely waterproof making it a great choice for bathrooms and other wet areas

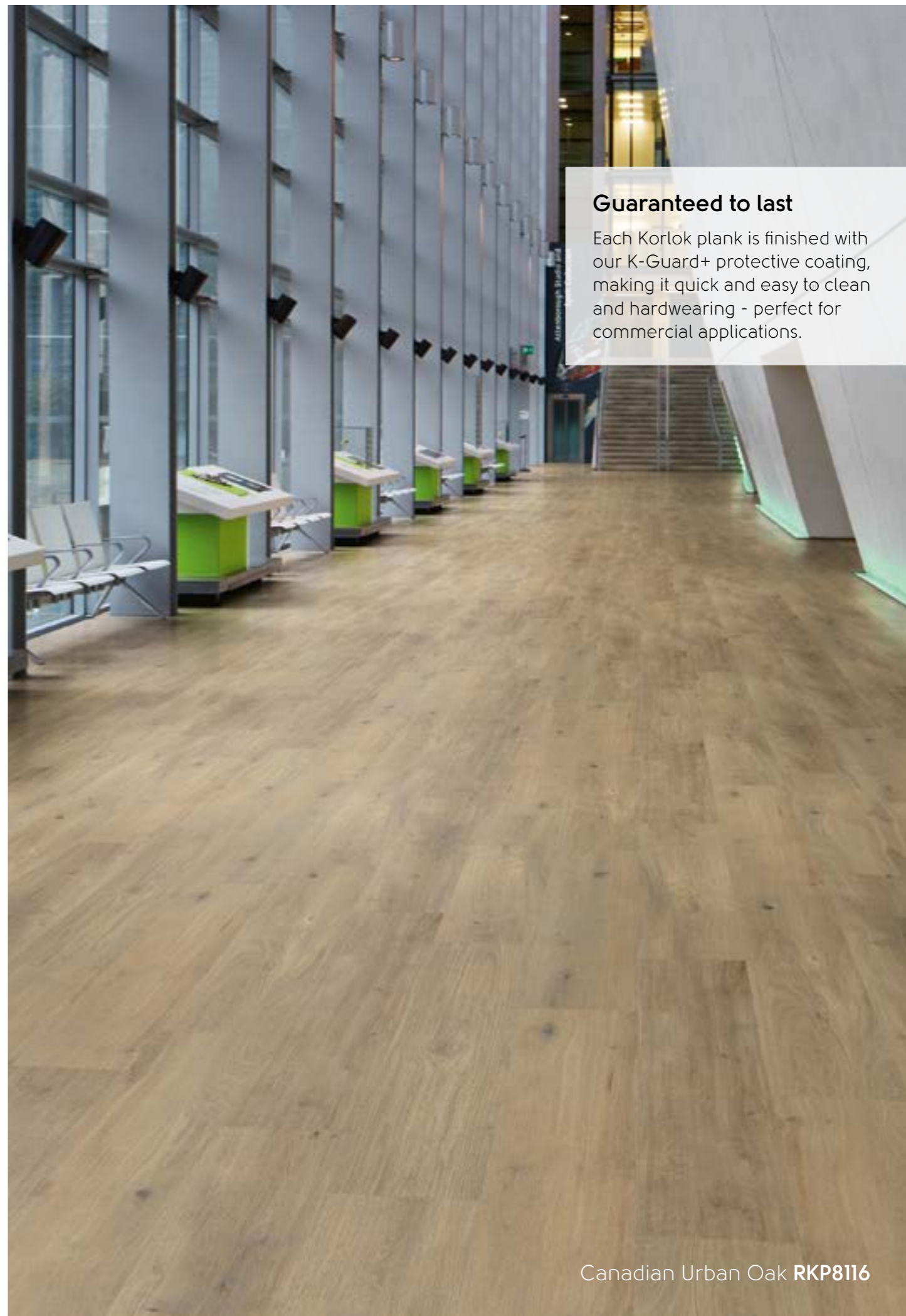
Texas White Ash RKP8105



Warm Ash RKP8103



Washed Butternut RKP8108



Guaranteed to last

Each Korlok plank is finished with our K-Guard+ protective coating, making it quick and easy to clean and hardwearing - perfect for commercial applications.

Canadian Urban Oak RKP8116



new

Grey Brushed Oak RKP8216



Weathered Spotted Gum RKP8119



Warm Spotted Gum RKP8118



Natural Blackbutt RKP8121



Baltic Washed Oak RKP8101



new

Shadow Oak RKP8203



Quiet

Korlok's pre-attached acoustic foam backing makes it perfect for apartments as it's great at reducing noise transfer to rooms below without the need for additional underlay.



Australian Ghost Gum **RKP8120**



Washed Grey Ash **RKP8104**



new

Nimbus Oak RKP8205



new

Light Barnwood RKP8207



new

Silver Barnwood RKP8208



Baltic Mistral Oak RKP8112



new

Stained Acacia RKP8213



Smoked Blackbutt RKP8106



new

Carbon Oak RKP8210

Korlok installation instructions with a 5G® locking profile

General Information

Korlok is a fully waterproof* floating floor with excellent acoustic and thermal properties made lightweight and rigid to assist installation over uneven subfloor surfaces. It is essential that these installation instructions are followed to ensure a quality fit.

Korlok is suitable for commercial and residential use, but it is not suitable for installation outdoors nor in rooms that will be continually wet. (It is suitable for use in traditional residential bathrooms, kitchens, laundry/utility rooms.)

Install permanent fixtures prior to installation of Korlok, leaving a space for expansion and contraction, see below.

Fill expansion spaces around potentially wet areas with an acrylic caulk.

A separate underlayment is not required.

Acclimatisation of material

For commercial installations make sure flooring materials are removed from packaging at least 48 hours prior to installation, (planks may be stacked, but must be rested flat) and allowed to condition in the room where the installation is to take place. Room temperature must be kept between 18-27°C (64-81°F).

For residential installations acclimatisation is not essential if the product temperature is already in the range 18-27°C (64-81°F).

To achieve a more natural look to your floor, we recommend that the product in this box is shuffled before installation.

Subfloors

Before Korlok may be installed, all subfloors should be solid and sound, smooth and level, clean and swept free of all debris. Measured moisture must be less than 95% RH, (or no more than 5 lbs. moisture/1000 ft² /24 hours :- calcium chloride test). Any unevenness in the subfloor should be limited to a maximum of 5 mm (3/16") below the level in any in 3 m (10') diameter. Any isolated highpoints/ridges should first be removed in order to avoid damage to the product.

- Concrete/Screeds: For an RH between 75% - 95% RH where the subfloor is uneven an appropriate smoothing compound should be selected.
- Quarry Tiles/Mosaics/Terrazzo/Ceramics: Level any grout lines with a width and/or depth of more than 5 mm (0.2").
- Timber floors: These should be solid with little flexibility. All loose boards must be firmly fastened and gaps filled. Wood block floors laid direct to earth/bitumen/pitch must be removed prior to installation.
- Linoleum/Thermoplastic/Vinyl/Cork Floors: Make sure these floors are solid; fix any loose tiles.
- Misc.: Any existing floors installed with cutback adhesive must first be suitably covered/encapsulated.
- Metal and Painted Floors: Remove any loose paint or other finishes.
- Textile floor coverings (including carpet) must be removed.
- Underfloor Heating: it is possible to install Korlok over floors incorporating underfloor heating, but these must be insulated to keep surface temperature below 27°C (81°F).
- Electrical underfloor heating: please consult manufacturers to ensure their system is compatible with our flooring. Mesh/wire systems must be bedded into a basecoat of reinforced fibre smoothing compound. Then a second coat of primer and reinforced fibre smoothing compound should be applied. The room temperature must be between 18-27°C (64-81°F) prior and during installation.
- Other Floors: Consult your supplier.

Installation

Korlok should be laid with an expansion gap of 5 mm (0.2") around the perimeter of the room and all fixed objects, including pipes. This must be increased to 8 mm (0.33") for areas larger than 100 m² (1000 sqft). Consult your supplier for larger areas.**

Skirting boards should be removed and door frames undercut to allow for possible expansion. Alternatively a suitable edge trim should be used to cover the expansion gap.

Plank products should be laid with staggered joints, at a distance of at least 250 mm (10").

Tools

For a successful installation, the following tools will be necessary – pencil, utility knife, ruler/straight edge, carpenter's square, saw, hand roller, pull bar, hammer and rubber mallet are recommended.

Exclusions

Special care must be taken when installing Korlok in rooms that are exposed to large temperature fluctuations e.g. unheated rooms, conservatories or direct sun/through south facing patio doors. In these cases, a 10 mm (0.4") expansion gap should be used. Adhesives are not recommended in the installation of this product.

* Water will not penetrate through the product from one side to the other. This does not include joints between individual tiles/plank.

**Where the flooring run exceeds 15 m (50 ft) in width or length, an 8 mm (0.33") expansion joint should be used and repeated thereafter.

Taking care of your floor

- Regularly sweep the floor to remove loose dirt or grit as these can cause fine scratches.
- For a thorough clean, a range of cleaning products is available (Clean, Remove and Refresh). Avoid the use of regular household cleaners and bleach-based detergents. These could make the floor slippery or cause discoloration.
- Always mop up spills as soon as possible, to reduce the risk of slipping and possible staining.
- Use entrance mats to protect against grit and moisture. Ensure they are of non-staining variety (not rubber-backed) to prevent any discoloration of the floor.
- Avoid sliding or dragging furniture or other objects across the floor - use floor protector pads to prevent scratching.
- Use castor cups to protect against indentation from heavy furniture.
- Maintain room temperature between 13-27°C (55-81°F) for optimum performance.
- Do not subject Korlok to standing water as this will present a slip hazard.

1. First check the width of the room and calculate how many full rows will fit; the remaining space should be halved to indicate the width of the first and last row of planks. If the space is calculated to be less than 150 mm (6"), the number of full rows should be reduced by one and the width of the cut planks in the first and last rows is increased accordingly. Install the plank with the tongue side/cut edge facing the wall, fit 5 mm (0.2") spacers between the plank and wall (Fig. 1).
2. Lay the first row, ensuring the short edges are clicked together (Fig. 2).
3. Using a knife and straight edge, cut the last piece of the row to size making sure that there is a 5 mm (0.2") gap between the end of the row and the wall.
4. Start the second row by clicking the tongue into the groove holding the plank at an angle (approximately 30°), then tap the plank firmly into the groove of the first row. Fit the next plank by easing the tongue and groove together on the longside. The end joint can then be tapped into position with the next plank (Fig. 3).
5. Continue to fit planks across the room until the row is complete. Where necessary, use a rubber mallet and an off-cut of the product or a hand roller to securely fix the planks together (Fig. 4 & 5). A pull bar can be used to pull the product together around the edges of the room (Fig. 6).
6. Repeat section 4 and 5 until the installation is complete.
7. Under door frames: If plank/tile cannot be lifted use an adapted tapping block (or cut off material) and mallet to carefully tap the plank/tile together flat on the floor (Fig. 7).
8. When fitting convex corners, around corners or complex profiles, mark the shape on the plank and cut using a saw.
9. Once the floor is fitted, remove the spacers; sweep the floor with a soft brush. Fix the skirting boards or suitable edge trim (available from your local dealer/distributor) to cover the expansion gaps. These should be fixed to the wall and not the floor (Fig. 8 & 9).

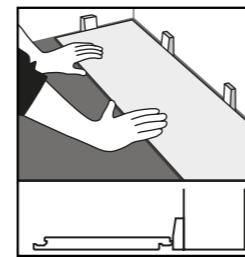


Fig. 1

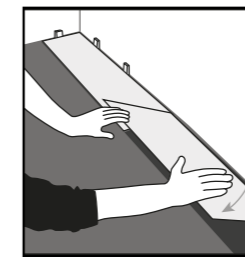


Fig. 2

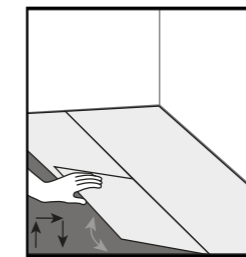


Fig. 3

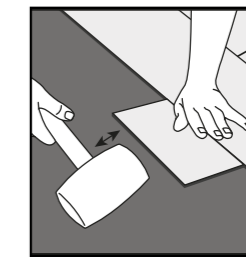


Fig. 4

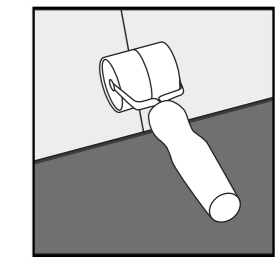


Fig. 5

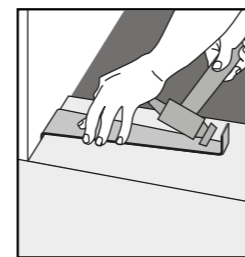


Fig. 6



Fig. 7

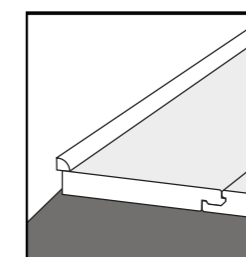


Fig. 8

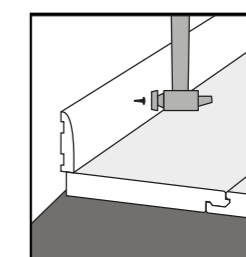


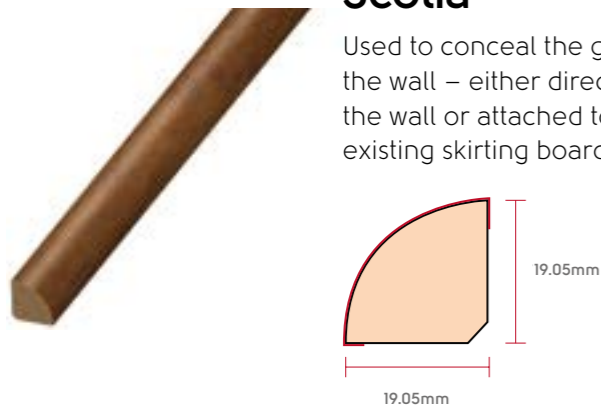
Fig. 9

Korlok accessories

Add Korlok accessories to help complete the look of your Korlok floor. We have four accessories on offer, each available in the Korlok colours to complement your floor.

Scotia

Used to conceal the gap at the wall – either direct to the wall or attached to an existing skirting board.



Stair Nosing

Required for both stair cases and step downs to split levels.



Slim Trim

Can be used in three types of applications.

Reducer

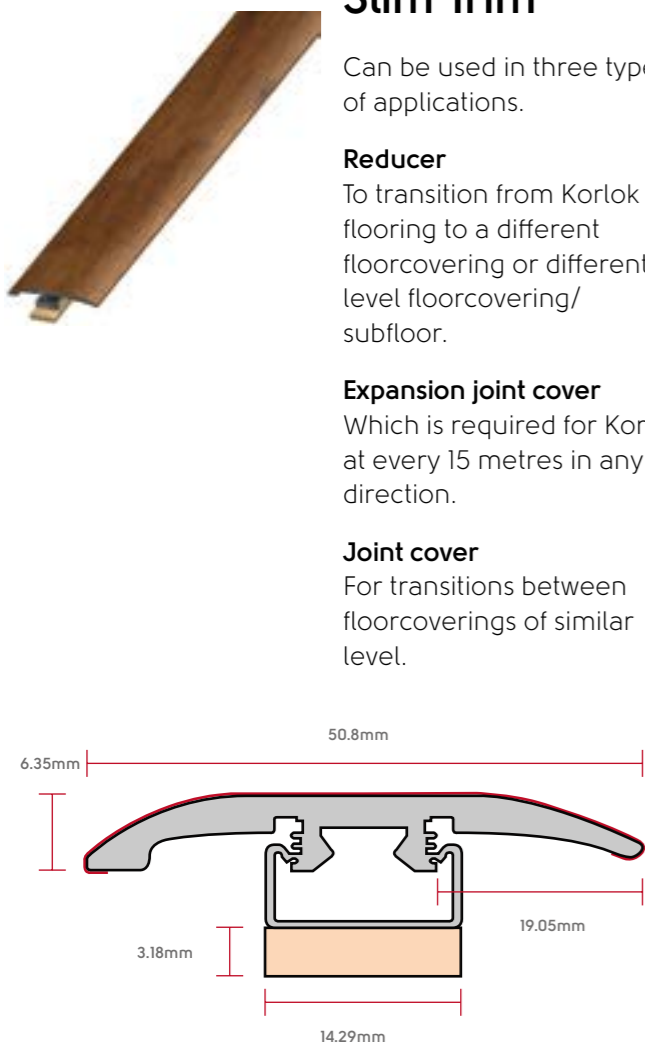
To transition from Korlok flooring to a different floorcovering or different level floorcovering/ subfloor.

Expansion joint cover

Which is required for Korlok at every 15 metres in any direction.

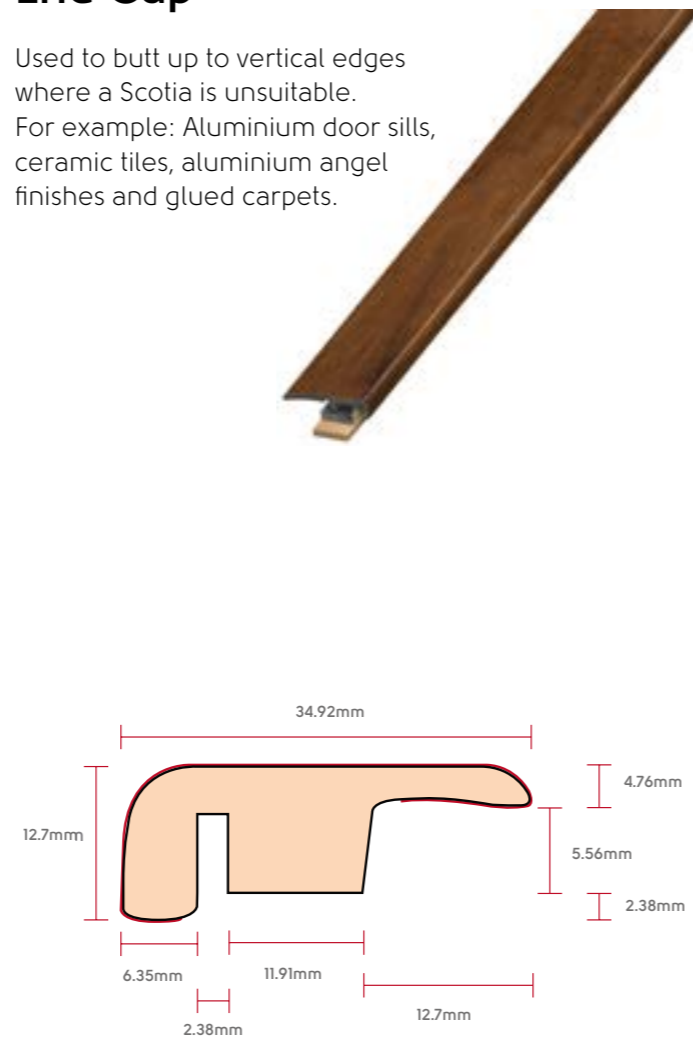
Joint cover

For transitions between floorcoverings of similar level.



End Cap

Used to butt up to vertical edges where a Scotia is unsuitable. For example: Aluminium door sills, ceramic tiles, aluminium angel finishes and glued carpets.



Visit us online at www.karndean.com, where you can...

Contact us

Our dedicated network of commercial business managers offer the complete service to help you through your project including pricing, stock availability and technical enquiries. Book an appointment today.



Order samples

If you need some extra help selecting the best colour for your project, why not order some cutting samples? These are small samples designed to help you pick which product is right for you.

www.karndean.com/samples



Check out our helpful online tools

Not sure where to start? Use our handy Style Finder to narrow down your choices, or create Moodboards while you're browsing to save links to your favourite products, images and blog posts. Once you've narrowed down your choices, try out your favourite combinations using our Digital Specification Library.

www.karndean.com/commercialmoodboard









Product Selector Page Turner

Our Product Selector Page Turner showcases our full product portfolio including technical specifications, environmental information, warranties, design strips and borders, logos and more. Recently updated to include all our newest products, the Product Selector is the most comprehensive way to view close-up, detailed images of each product we offer together with relevant technical information.

www.karndean.com/productselector


























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Technical Specification

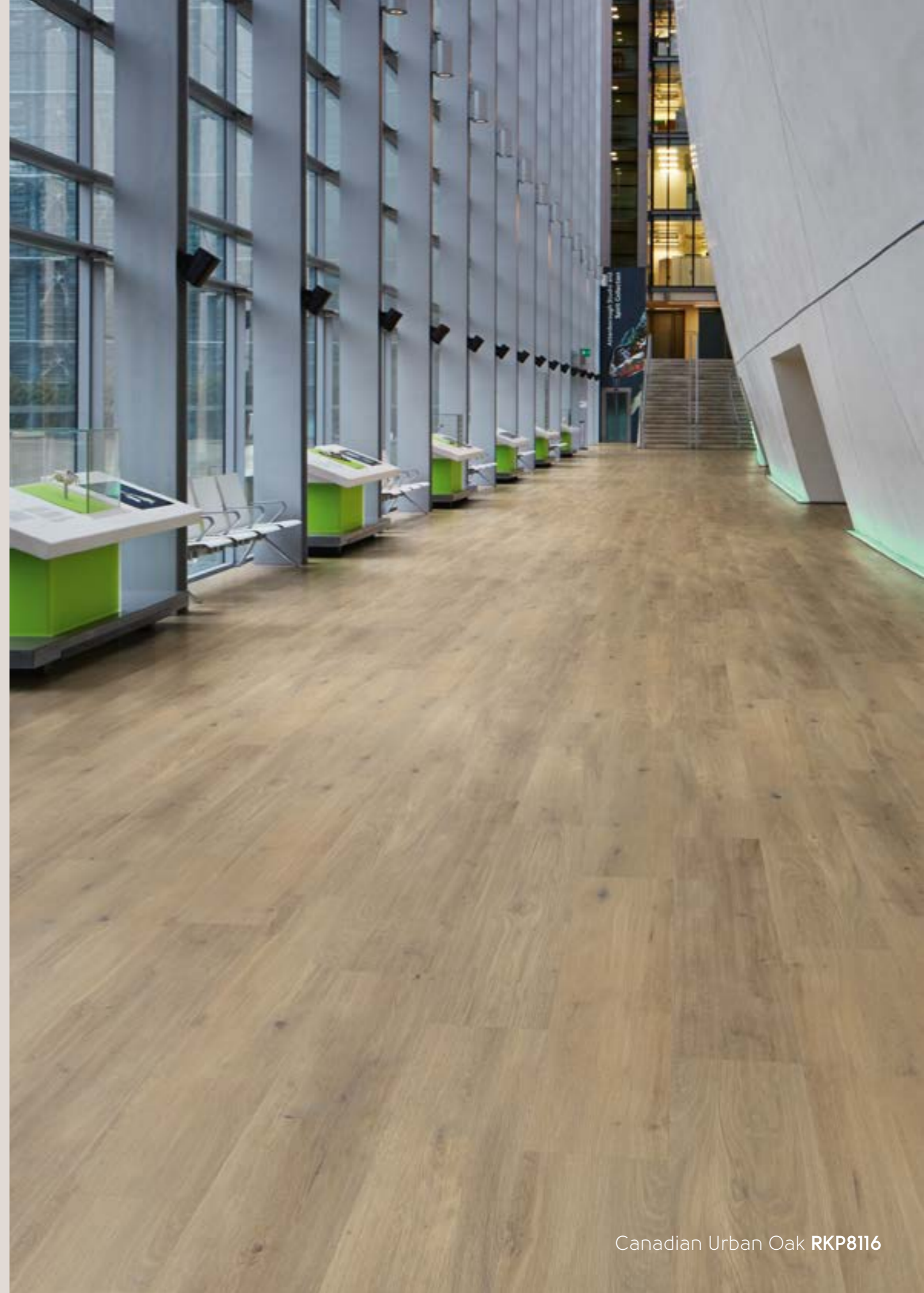
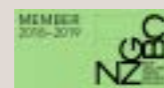
	Standard	Results
 Size		1420 x 225 mm
Box quantity		10 planks
m² per box		3.195
 Thickness	ISO 24346	6.5 mm
Locking system*		5G®
 Wear layer	ISO 24340	0.50 mm
Surface treatment		K-Guard+ PU coating
Warranty	Commercial Domestic	15 years wear** Lifetime wear**
 Bevelled edge		Micro
 Mass per unit area	ISO 23997	7480 g m ⁻²
 Standards	EN 16511	Pass:-Multilayer modular floorcovering panels
 Classification	ISO 10874 Commercial ISO 10874 Domestic	33:-Commercial heavy 23:-Domestic heavy
 Reaction to fire	AS ISO 9239.1 2003	CRF: 6.8 kW/m ² Smoke value: 154% min
 Staining	EN 438-2	Pass (grade 5)
 Light fastness	EN ISO 105-B02	Pass ≥6
 Abrasion resistance	EN13329 Annex E	Pass 4000 cycles
 Furniture chair leg	EN 424	Pass (no visible damage)
 Dimensional stability	BS EN ISO 23999	Pass <0.25%
 Swelling	ISO 24336	Pass (0.2%)
 Acoustic impact noise reduction	EN ISO 10140-1:2016 and EN ISO 10140-3:2010+A1:2015 NCC F5.3(a) requirement of <62 dB under ISO 717.2:2013 G6.3.2 impact insulation class>55 IIC ASTM E492-09	$\Delta L_w = 19$ dB $L_{n,w} = 52$ dB Pass IIC 62 Suitable for use on upper floors of residential high rise apartment buildings without the need for a separate acoustic underlay
 Indentation-residual	ISO 24343-1	≤0.1 mm
 Impact resistance	EN13329 Annex F	Pass ≥1800 mm
 Castor chair continuous use	ISO 4918/EN 425	Pass 25000 cycles
 Thermal resistance	ISO 8302	0.052 m ² K/W Suitable for underfloor heating max 27°C
 Slip resistance***	AS4586:2013 Appendix D	R10
 VOC emission	Floorscore SCS-EC10.3-2014 v4.0	Indoor air quality certified; Compliant low emitting VOC emissions.
 Adhesive		None required;please install according to our installation instructions.
 Phthalate free		Yes

* Produced under licence from Valinge Innovations.

** Subject to terms.

*** Slip resistance is measured on ex-factory product. Slip resistance can be affected by surface contamination, use and how the product is maintained.

Manufactured to ISO 9001





Karndean Designflooring



Colour and Pattern Reproduction

We are careful to make sure our brochures are accurate and printed to very high standards, but photography and printing cannot always create a perfect representation of our products. For this reason we strongly recommend that you look at a sample of any product you are considering before placing your order.

All of our products are inspired by things we have seen in the natural world. Just as variation in colour and detail is part of the unique beauty of natural materials, it is also a feature of many of our designs. This means that with some of our products you will see natural variation when your floor is laid.

If in doubt, ask your Commercial Business Manager to show you a larger sample of the product.

We love developing new ideas and improving on our existing designs. This does mean that sometimes products are withdrawn at short notice. We hate to disappoint, and will always try to work with you to find an alternative design that you love just as much.

Contact us...

Karndean Designflooring
835 Stud Road Knoxfield,
Victoria 3180, Australia

Call us on:
AUS: 1800 331 170
NZ: 0800 442 101

Email us:
AUS: customerservice@karndean.com.au
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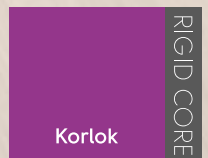


This page: Warm Spotted Gum **RKP8118**
Front cover: Silver Barnwood **RKP8208**



Karndean Designflooring

www.karndean.com



Korlok

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