



# **ECO-TEK**

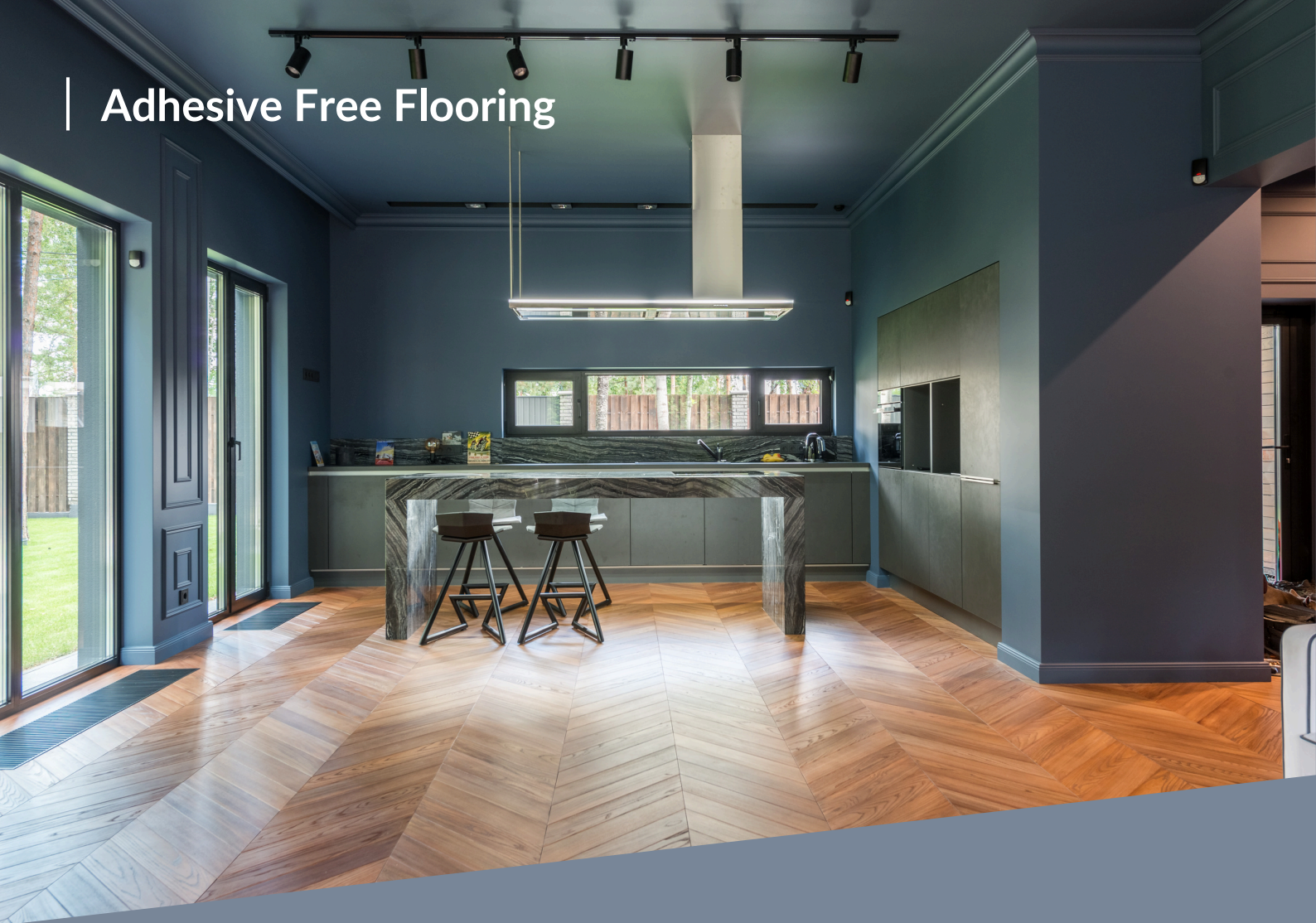
Sustainable Flooring Solutions

## **Magna-Flex Wood Adhesive Free Flooring**

**Magnetic Engineered Wood  
Flooring**

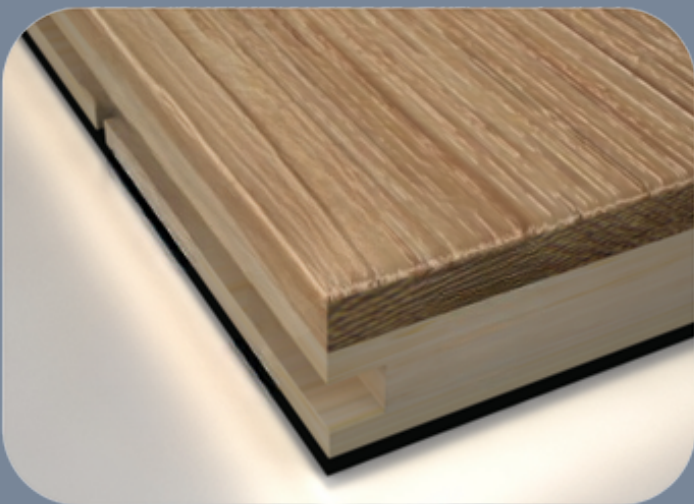


## Adhesive Free Flooring



ECO-TEK are committed to developing innovative flooring products that reduce waste and provide architects and specifiers with unique flooring solutions. The requirement for adhesive free flooring solutions is growing and the Magna-Flex engineered wood flooring system including acoustic recycled rubber underlay delivers the best solution to meet this demand. Incorporating magnetic technology, the system provides the flooring industry with a new flexible option to meet circularity and allow flooring to be reused.

## Magnetic Technology



### MagnaLay Acoustic Underlay

Engineered wood planks and herringbone are installed with the unique MagnaLay magnetically receptive acoustic underlay. The result is a roll-down acoustic underlay that offers superior performance over standard magnetic systems.

Magna-Flex Wood can also be installed directly over metal faced panel raised access floors.



# | Why Use The Magna-Flex System

- Design Agility – Easy repurposing of areas, enhancing customer experience in fitness, retail and hospitality applications.
- Adhesive Free – Making circular flooring solutions easy, no adhesive contamination to both the floor covering or the subfloor.
- Magnetic installation removes the need for wasteful and messy wet adhesives.
- Flooring systems can be installed ‘floating’ with no need to uplift existing flooring or carry out major subfloor preparation, which can be harmful to the environment.
- Easy floor maintenance – Worn or damaged tiles can be quickly replaced, avoiding costly or inconvenient downtime.
- Suitable for raised access floors, each plank can be removed for easy access to sub-floor

## Reuse and Circularity

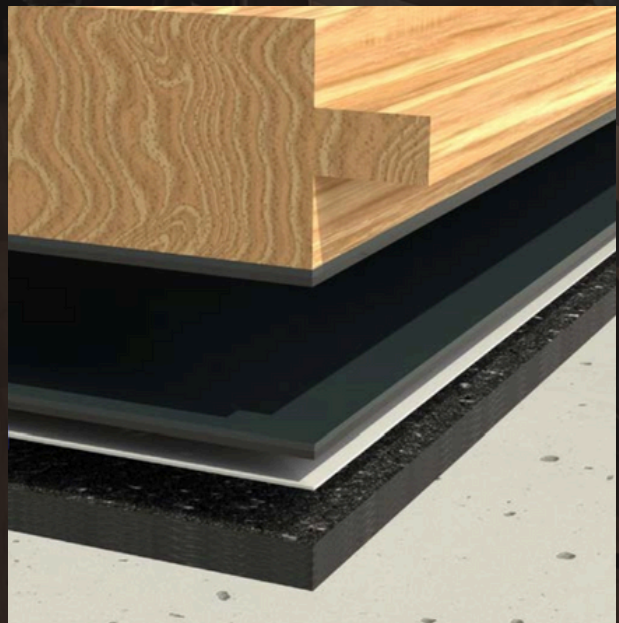
- Uplifted flooring free from adhesive contamination.
- Flooring can be reused or more easily recycled.
- Eliminates all VOC's associated with adhesives.
- Avoids extra embodied carbon from new flooring.

## Applications

- Commercial
- Sports & fitness
- Student accommodation
- Residential
- Hospitality

## Asset Protection

- Subfloor is left undamaged.
- Zero mess, cleaning or remediation costs needed before the next installation.









# Maintenance-Free Engineered Hardwood Flooring

Unique worldwide with no maintenance necessary

## Our Intelligent Solution:

The unique, special sealing that penetrates into the pores, makes our engineered flooring maintenance free. All it takes is a gentle clean saving time and money. Your floor remains beautiful without any maintenance.



## Multi Layer UV Curing:

- The unique sealing technology protects the parquet against scratches, abrasion and heavy duty / wear and tear. The natural matt surface finish in combination with the brushing, underlines the natural raw material.
- One of the largest hardwood-kiln-drying facilities in Europe: Decades of experience in the drying of wood help guarantee greater inherent stability and fitting-accuracy. This helps reduce the appearance of gaps, because the timber has been kiln dried to the level it is expected to achieve in service. i.e. EMC - Equilibrium Moisture Content.
- Outstanding durability - Our Maintenance-Free Parquet is extremely resistant to scratches and chemicals.

## Reflected Sound



**Fully Bonded**  
Reduced reflected footfall sound due to adhesive bond.  
**High Environmental Impact.**



**Floated Installation**  
High reflected footfall sound due to floating install.  
**High Environmental Impact.**



**Magnetic Installation**  
Reduced reflected footfall sound due to magnetic bond.  
**Low Environmental Impact**





# Renovating with Magna-Flex

Clean



Quiet



Reduced  
Waste



## The Unique Benefits:

### Fast, Dust-Free, Quiet Renovation

With the Magna-Flex solution from ECO-TEK, you work clean, quietly and reduce waste! The simplest installation technique guarantees a customer and craftsmanship friendly solution.

### Existing Floor Stays In The Room

The new engineered wood floor is installed over the existing floor covering. The unique Magna-Flex wood floor covering is simply installed on the loose laid 2.9mm MagnaLay acoustic underlay.

### Fast, Simple Installation

Each plank or herringbone board is simply installed adhesive free on the MagnaLay by magnetic bond.

### The Floor Can Be Walked On Immediately

Movable furniture can stay in the room by locating it to one side of the room and install on the other side. Then repeat the same procedure with the other half of the room. The room can be traversed again immediately thanks to the system solution with intelligent installation technique.

### Perfect Room Acoustics

Thanks to the outstanding noise-reduction abilities of the MagnaLay acoustic underlay one can achieve a reduction of impact sound of 18dB and a significant reduction of ambient noise at the same time. You combine the advantages of the two installation techniques, floating installation and magnetic bond of the planks. It's a completely dust-free renovation and an improvement in room acoustics.

### Simple Removal - Historical Preservation or Leasing Property

Magna-Flex is also ideal for preserving the existing floor regardless of whether it's a floor worthy of historical preservation or a simple lettable area that is destined to be returned to its original condition after use. Easy removal also offers an uncomplicated renovation solution if the wish to replace the floor in the future.



# | Re-Thinking Flooring



## Reuse

Uncontaminated flooring can be reused

## Redesign

Clean and easy flooring design changes

## Reduce

Flooring waste no longer goes to landfill

## Strong hold. Reduced carbon footprint.

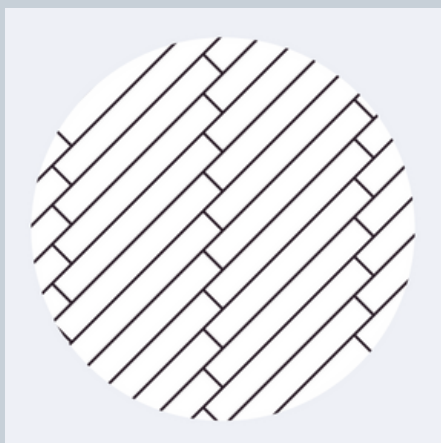
With Magna-Flex, sustainability is built in. No adhesive waste, no damaged subfloors, just pure circular design.



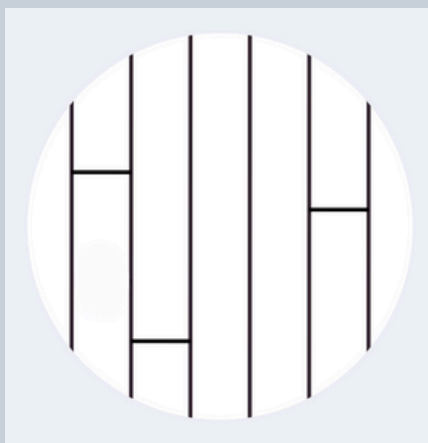
# Magna-Flex Wood Laying Patterns

**TIMBER 1400 INSTALLATION PATTERNS** - Straight / Diagonal / Ladder Type / Lamella Pattern / Herringbone / Basket Weave

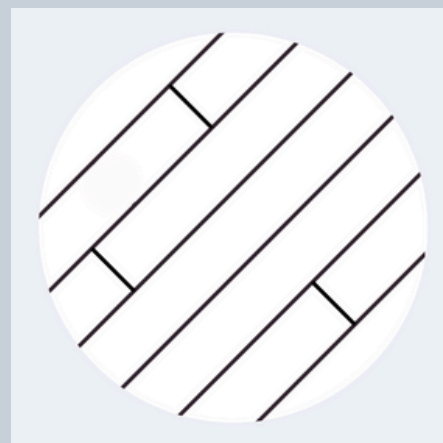
**TIMBER 750 INSTALLATION PATTERNS** - Shipdeck Straight / Shipdeck Diagonal / Lamella Pattern Basket Weave / Herringbone / Twin Herringbone / Triple Plait / Quadruple Plait / Diagonal lamella



Diagonal Lamella



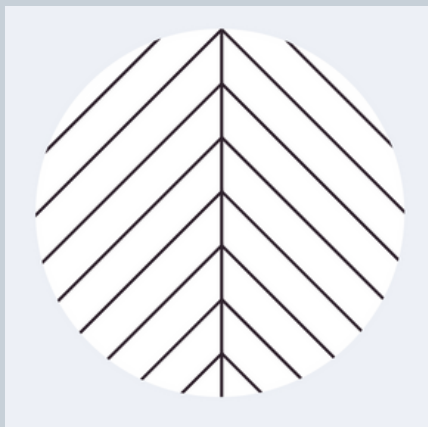
Straight



Diagonal



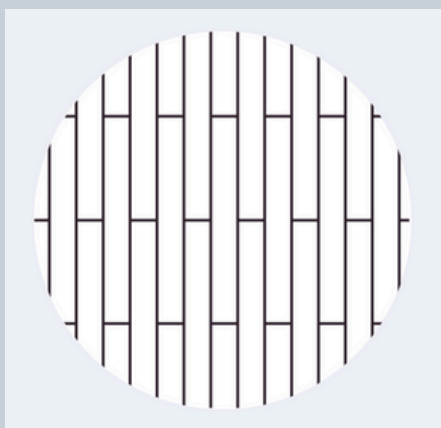
Herringbone



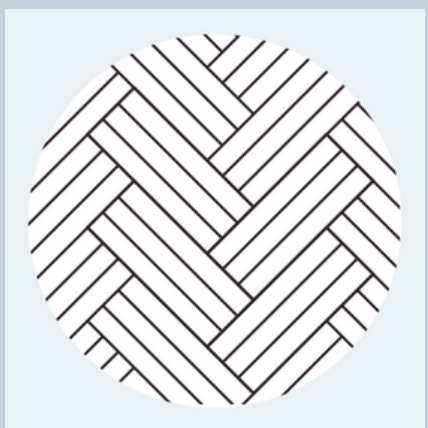
Chevron 45



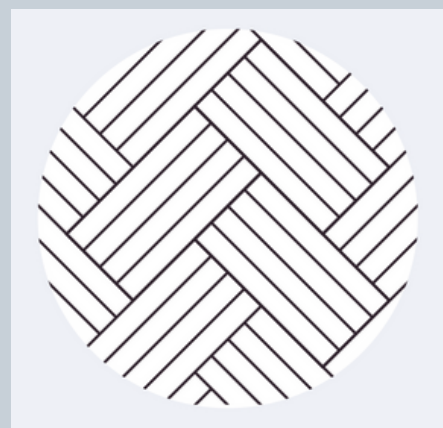
Double Herringbone



Lamella



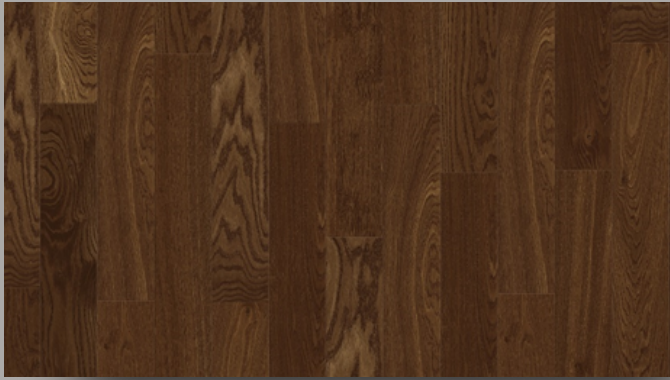
Triple Plait



Quadruple Plait



# | Magna-Flex Wood Colour Options



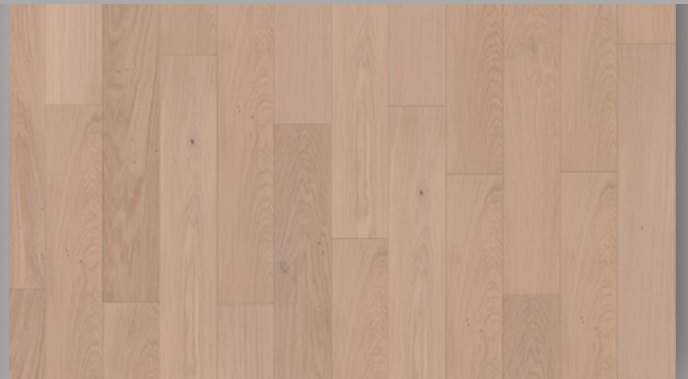
FUMED OAK - Lively



OAK PURE - Lively



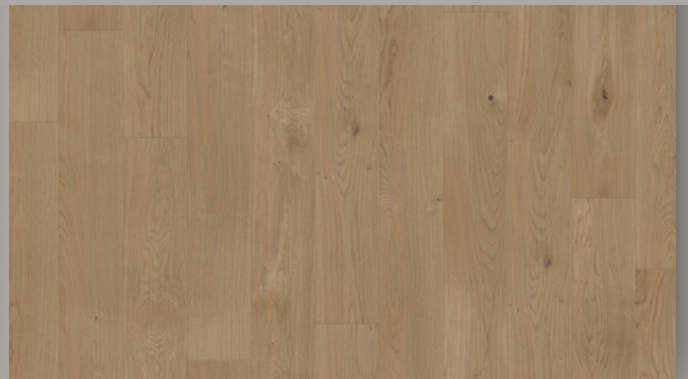
OAK - Lively



OAK KASCHMIR - Lively

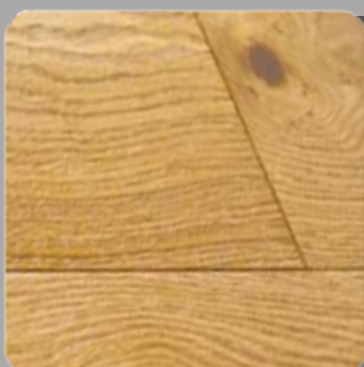


OAK MANDEL - Lively



OAK AUSTER - Lively

## SURFACE FINISH – UV CURED OILED SURFACE FINISH



**BEVELLED**  
Accentuates the boards appearance, adding depth and presence



**BRUSHED**  
Highlights the natural structure and grain of the timber



# ECO-TEK



+44 (0)117 301 5120



info@Eco-TekSolutions.co.uk



www.Eco-TekSolutions.co.uk