

ECO-TEK

Sustainable Flooring Solutions

Magna-Flex LVT
Adhesive Free Flooring

Magnetic Luxury Vinyl Tiles

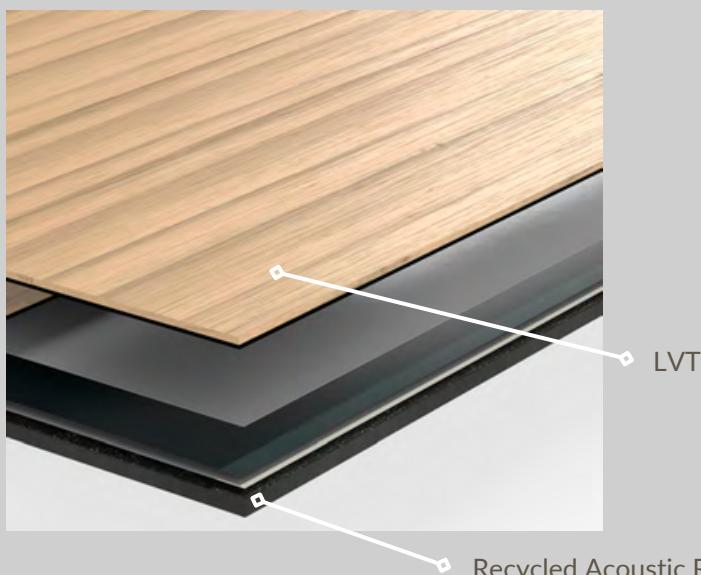


Adhesive Free Flooring



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 LVT 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

LVT's 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.



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.
- Prevent expensive moisture migration processes for new concrete floors by installing floor coverings with MagnaLay.

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.



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 LVT Colour Options

ETSI 204 RE



ETSI 207 RE



ETSI 205 RE



ETSI 208 NE



ETSI 209 RE

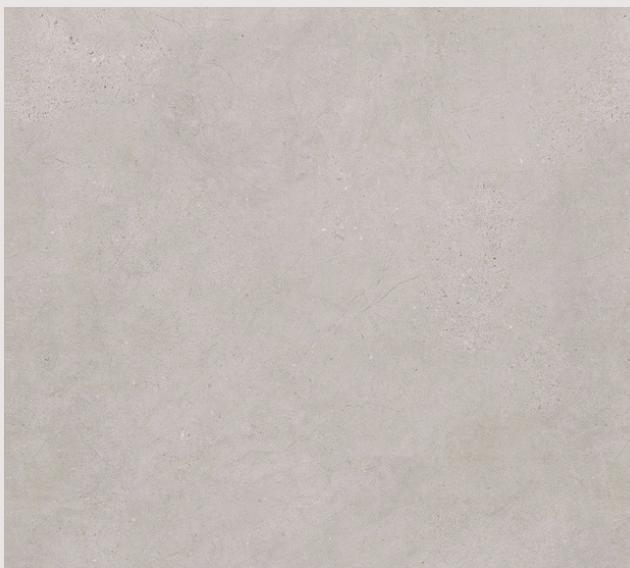


ETSI 206 RE



Magna-Flex LVT Colour Options

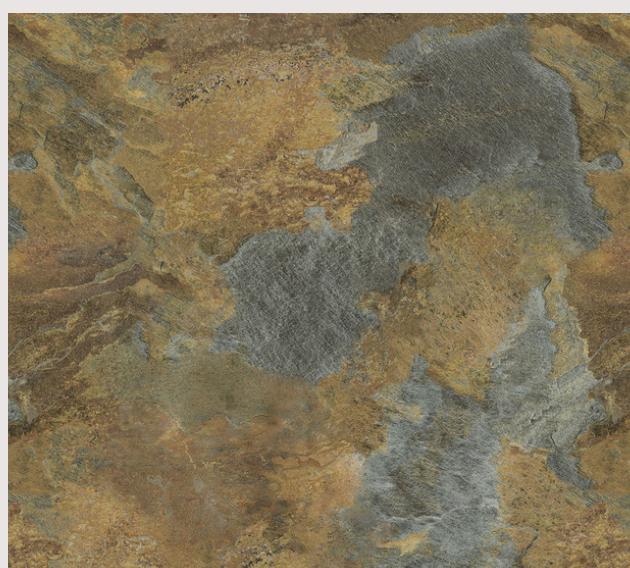
ETSI 210



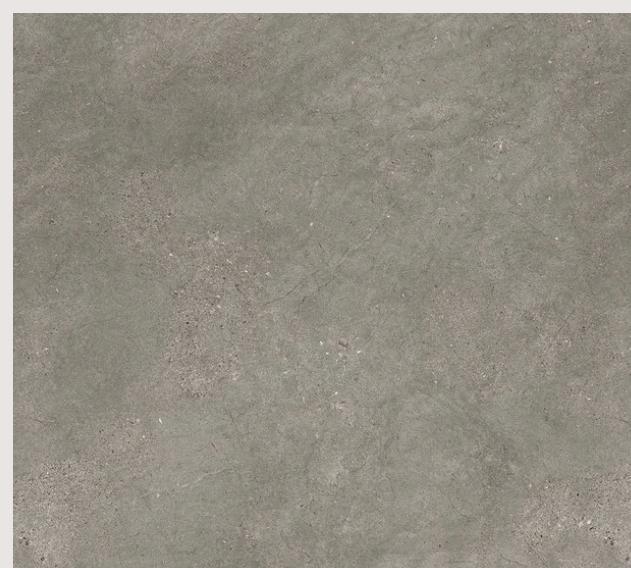
ETSI 211



ETSI 212



ETSI 213



ETSI 214





Magna-Flex LVT Specification

Size	ISO24337 /ASTM F3261	Length ≤0.13%, Maximum ≤0.50mm
		Width≤0.10%, Maximum ≤0.50mm
Squareness	ISO 24342/ISO 10582	≤0.25mm
Thickness	ASTM F387/ASTM F3261	without attached underlayment: -0.10mm ~ +0.10mm
Thickness of wear layer	ISO 24340/ISO10582	Nominal value: -10% ~ +13% at most ±0.10mm
Mass per unit area	ISO 23997/ ISO 10582	Nominal value (-10% ~ +13%)
(80°C×6h) Dimensional Stability	ISO 23999/ASTM F3261	≤ 0.20%
Curling after heat exposure (80°C × 6h)	ISO 23999/ASTM F3261	≤ 1.0mm
Peel strength of layer	EN431	≥1.0kN/m
Flexibility	ISO 24344:2008	Φ 20mm No adverse effect
Residual Indentation	ISO24343-1	≤0.10mm
Colour fastness to artificial light	ISO105-B02	Grade 6
Determination of staining and resistance to chemicals	EN ISO26987:2012	Class 0
RoHS chemical test	2011/65/EU and (EU) 2015/863	Not detected
Slip Resistance	DIN 51130:2014	Angle: 13.3 deg - Rating: R10
Reaction to Fire	EN 13501-1	Bfl s1
Soluble elements analysis in non-surface coating materials	With reference to section 4.3.5.2(2)(b) of the ASTM F963-17	Not detected
Formaldehyde Content	EN 717-1	0,004 mg HCHO/m ³ of air



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