



magnēs

“Innovative Access Flooring, *Sustainable Solutions*”

MAGNES

TECHNICAL DATA SHEET

MAGNES SYSTEM DETAILS

RECOMMENDED APPLICATIONS



GENERAL
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SYSTEM DETAILS

SYSTEM NAME:	Magnes
DESCRIPTION:	Magnes is an interlocking magnetic flooring system designed to bond directly to steel cementitious access floors. Magnetic-backed timber planks allow fast installation and can be easily lifted and reinstated anywhere, providing full access to underfloor services.

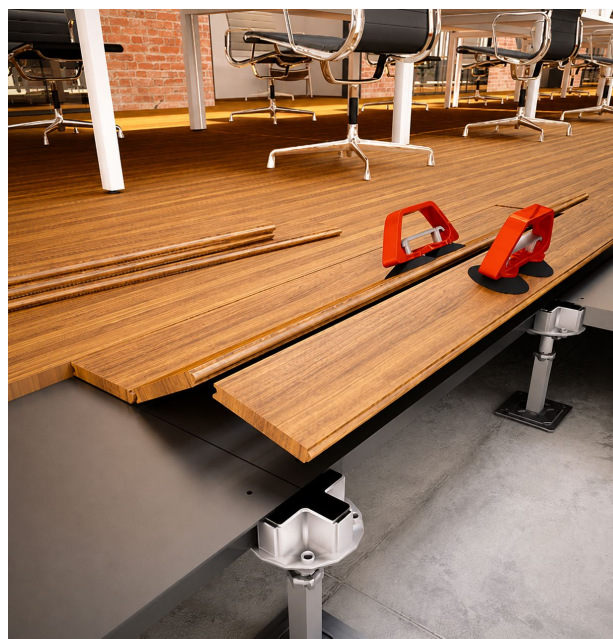
MAGNES TECHNICAL DATA

CONSTRUCTION:	The Magnes flooring system comprises a UV-stabilized wear-resistant coating, timber veneer, plywood substrate and a 2mm magnetic backing.
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PLANK SIZE:	35.4" × 4.7" × 0.7" (L × W × T)
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MAGNET PROPERTIES

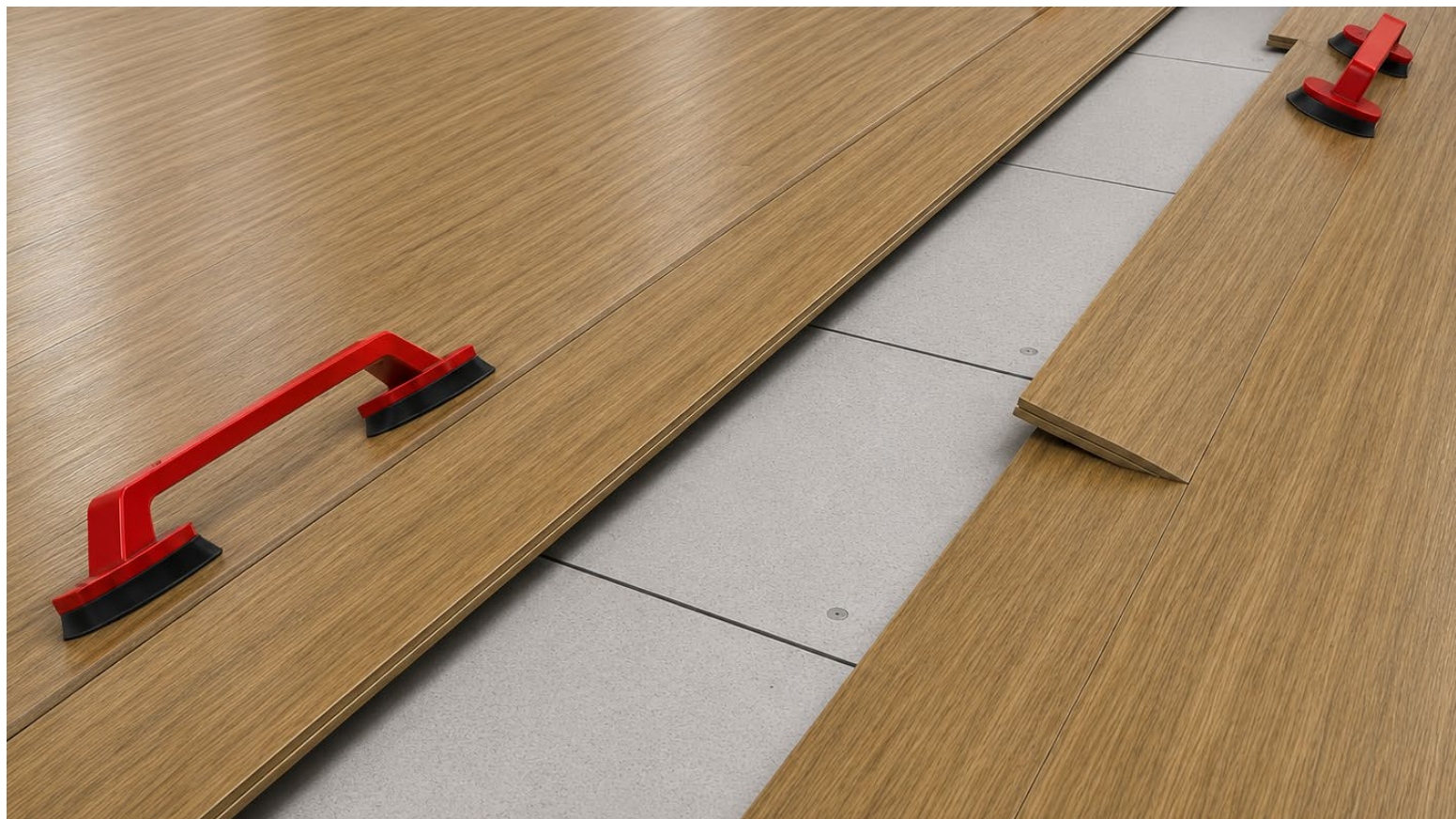
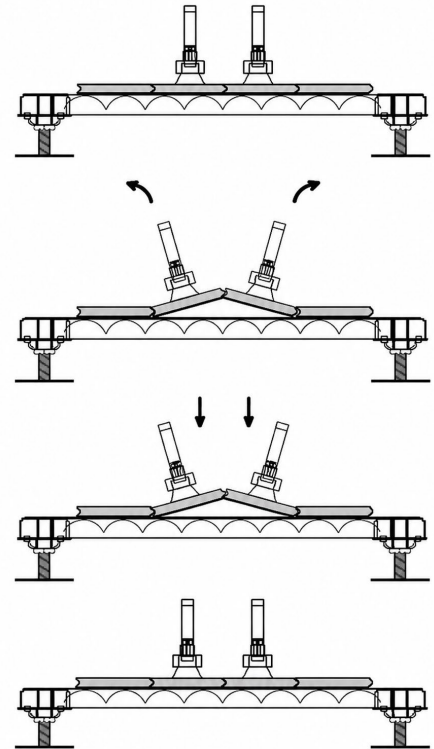
THICKNESS:	0.08"
GAUSS:	560-590
REMANENCE (Br):	1800-2200MT
COERCIVITY:	100-150KA/M
DENSITY:	3.6-3.8



MAGNES SYSTEM DETAILS

LIFTING OF MAGNES TIMBER PLANKS

- STEP ONE:** Place 3 panel lifters on 3 adjacent Magnes timber planks.
- STEP TWO:** Lift the timber planks with moderate, equal force, conversely from each other.
- STEP THREE:** Continue removing planks as required to provide adequate access to the access floor panels and underfloor services.
- STEP FOUR:** When reinstating the Magnes planks, use the panel lifters to align the planks into the correct position. Lock the tongue and groove into the adjacent laid floor panels before compressing the planks together to meet and lock in the middle.



MAGNES COLOUR HUB

TIMBER COLOUR HUB



BLACKBUTT



ELWOOD



HICKORY



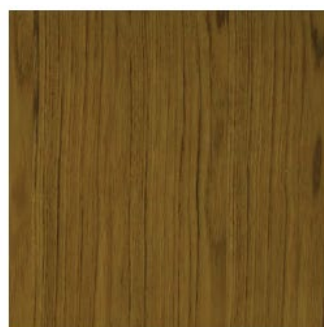
MAPLE



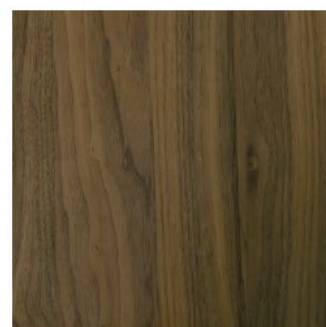
OAK



SPOTTED GUM



TEAK



WALNUT

*Colours are subject to availability and minimum order quantities may apply.

MAGNES SPECIFICATIONS AND TESTING

MAGNES PERFORMANCE RESULTS

Performance of surface finish per GB/T 18103-2013 & Gb 18580-2017

TEST TYPE	REQUIREMENTS	RESULT	
MOISTURE CONTENT	5-14%	10.3	PASS
IMPREGNATED PEEL	The cumulative length of any of either side of a plastic layer does not exceed 1/3 of the length of the layer. It shall be defined as qualified when 5 out of 6 specimens are qualified.	PASS	
STATIC BENDING STRENGTH	Unit Mpa Mean ≥30 Min ≥24	Mean ≥56 Min ≥50.4	PASS
MODULUS OF ELASTICITY	Unit Mpa ≥ 4000	6080	PASS
ABRASION RESISTANCE OF SURFACE	Unit g/100r ≤ 0.15 and paint film is not worn through.	0.07, paint film not worn out	PASS
POLLUTION RESISTANCE OF SURFACE	No pollution mark.	No pollution mark.	PASS
FORMALDEHYDE EMISSION	Unit mg/m3 E1: ≤0.124	0.015	PASS
SLIP RATING	PER DIN 51130:2014-02	Classification: R10	
SLIP RATING	PER AS 4586-2013 CLASSIFICATION: P3	Classification: P3	

MAGNES SUSTAINABILITY CREDENTIALS

ORGANIZATIONAL COMMITMENTS

- ASP Environmental Policy



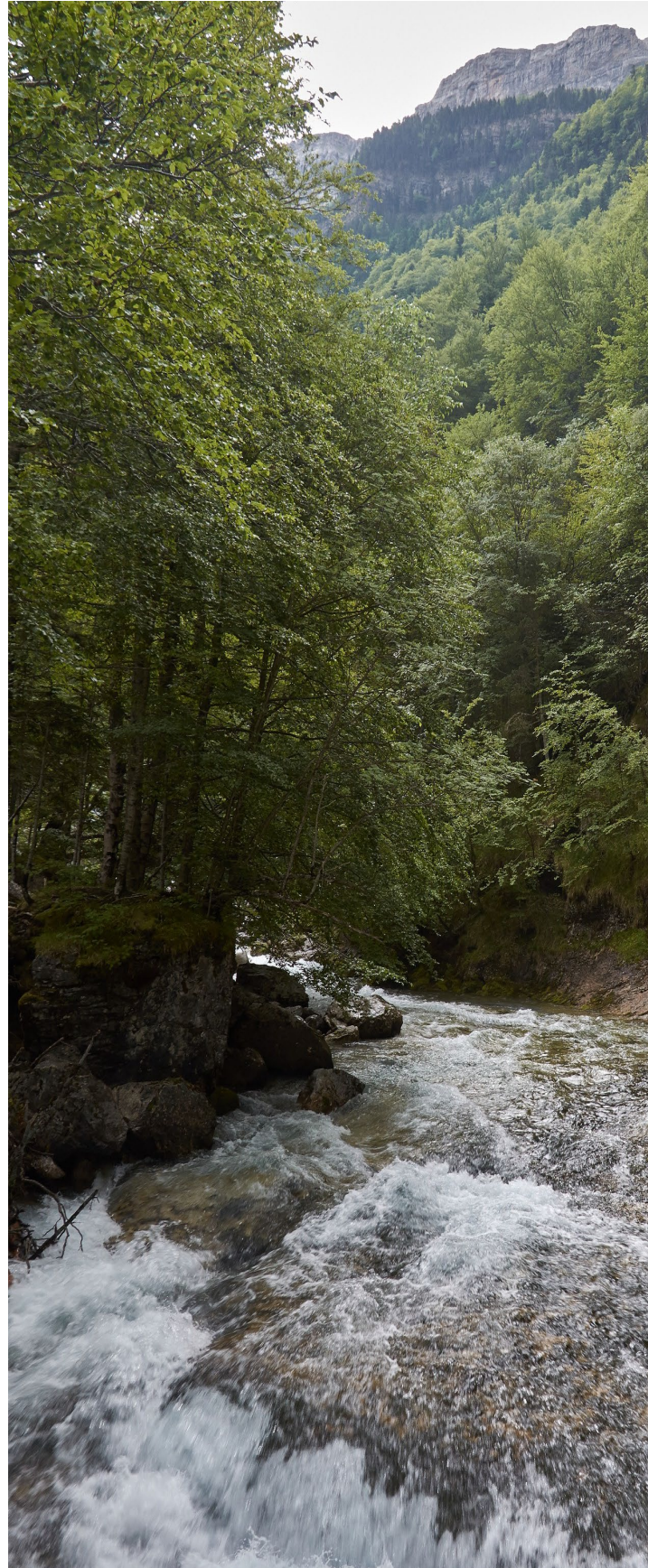
LIFE CYCLE IMPACTS

- Product Life Cycle Assessment (LCA)
- Environmental Product Declaration (EPD)
- Third-Party Verified Recycled Content



MATERIAL HEALTH AND TRANSPARENCY

- Red List Free - Restricted Substances Compliance



MAGNES MAINTENANCE

MAINTENANCE GUIDE

CLEANING:

Dust and grit should be removed daily from all timber floors using an antistatic mop. A damp mop can be used once a month using just mist water or a compatible Bona cleaning product. Avoid wet mopping and steam mops to extend the life of the floor's coating.

In hospitality or other such environments, all spills must be cleaned as soon as possible to avoid damage to the timber surface. Similarly, in such areas where spills or concentrated traffic might be expected, preventative measures such as additional mats should be considered to reduce the impact upon the floor.

Follow this simple cleaning regimen combined with using felt pads on furniture feet and mats at entryways to avoid deep scratches.

RESTORATION:

When it is believed that the surface of the floor has become worn, or there are frequent deep gouges, then it is necessary to refinish the floor. This can be achieved by simply sanding the floor back to an even finish using a 150-grit abrasive, taking care not to breach the finished surface, before applying a further coating of Bona Naturelle.





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