CIRCULAR BUILDING SOLUTIONS

Technical Datasheet

CBS MAGNETIC FOIL WITH DUAL-GRIP™
PART OF THE CBS MAGNETIC WOOD FLOORING SYSTEM

PRODUCT DESCRIPTION

The CBS Magnetic Wood System brings together proven magnetic flooring technology, manufacturing expertise and consultancy to help wood flooring manufacturers develop magnetic wood flooring products.

CBS Magnetic Foil is a high performance PVC-free magnetic film with high strength acrylic adhesive on one side for application to the underside of engineered wood flooring.

The magnetic side creates a secure, reversible connection between the wood flooring and magnetically receptive sub-floors such as raised access floor panels and magnetically receptive underlays.

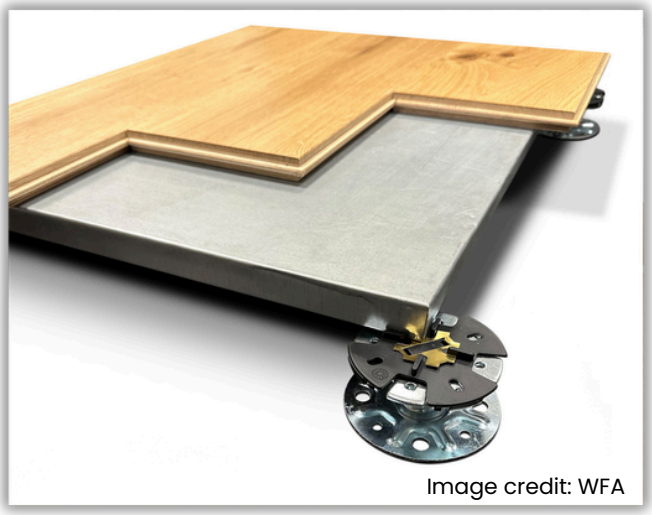

Image credit: WFA

Dual-Grip™ Technology

This product also includes our patented IOBAC Dual-Grip™ film technology which provides an additional dimension of hold between the magnetic wood flooring and sub-floor.

This enhanced horizontal stability helps prevent movement and tracking over time. For optimum long-term performance, it is recommended that around 10% of the total floor area is fitted with magnetic wood flooring using IOBAC Dual-Grip™ technology, making it easier to install whilst improving durability and resistance to movement in high-traffic environments.

Proven 2-dimensional Hold

- Tried and tested magnetic technology
- Magnetic Foil provides strong magnetic grip vertically to the sub-floor
- Planks are held together horizontally by the wood's tongue and groove locking mechanism

Designed for Disassembly

- Wood flooring can be removed cleanly and easily for reuse or recycling
- Sub-floor left contamination-free and ready for the next flooring installation straight away.

Access

- Services below sub-floor are easily accessible
- Simply remove magnetic access planks using a suction cup

Storage Conditions

- Resistant to extremes of moisture and temperature.
- Constant working temperature of -30 to +60 degrees C. Storage between +10 and +20 degrees C
- Shelf life: 12 months when stored as recommended in original packaging

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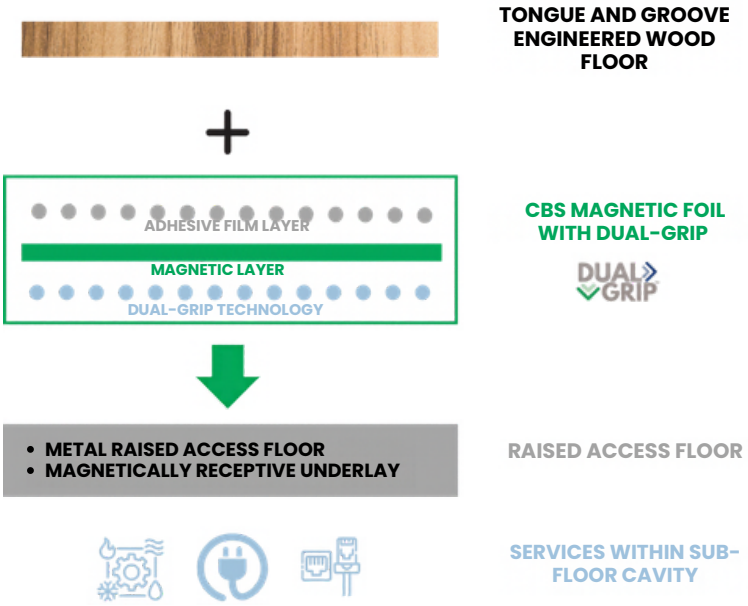
PRODUCT COMPOSITION



Magnetic Foil Material Composition:
- 90% high grade ferrite powder, 10% synthetic binder
- Free of PVC, plasticisers and phthalates
- 0.6 - 0.8mm thickness (including adhesive film)

Adhesive film layer:
- Modified acrylic adhesive
- Supplied with polyester release liner
- Odourless 100% solid material - VOC content not applicable
- Supplied with patented IOBAC Dual-Grip™ technology for enhanced stability
- Advisable to apply firm pressure (15 psi) to the component to consolidate the adhesive bond
- Optimal adhesive bond will be achieved after 72 hours

Magnetic Layer
- UV coated, flexible strontium ferrite magnetic sheet
- Magnetic strength of 42 to 55g per cm2
- Magnetic stability: immune to magnetic damage for intended use
- Colour: dark brown
- Hardness: Shore-D – 33 ± 5

DIMENSIONS AND PACKAGING

Dimensions: Foil slit to width of plank in 20, 30 or 60m lengths. 0.6 - 0.8mm thickness (including adhesive film)
Packaging: Dependent on magnetic foil dimensions, but generally supplied on a cardboard core with release liner for ease of application to wood

INSTALLATION GUIDELINES

Preparation: Ensure sub-floor is clean, dry and free from loose particles which may impair grab.

WHERE TO BUY:

These manufacturers incorporate CBS Magnetic Foil in their magnetic wood ranges:

MAGNETISED BY CIRCULAR BUILDING SOLUTIONS

- Broadleaf Timber
- V4Magnetic® by V4
- Magnitude by WFA (Wood Floors & Accessories)

SPECIFY AT:

NBS Source PARTNER

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