

CHARMFLOOR

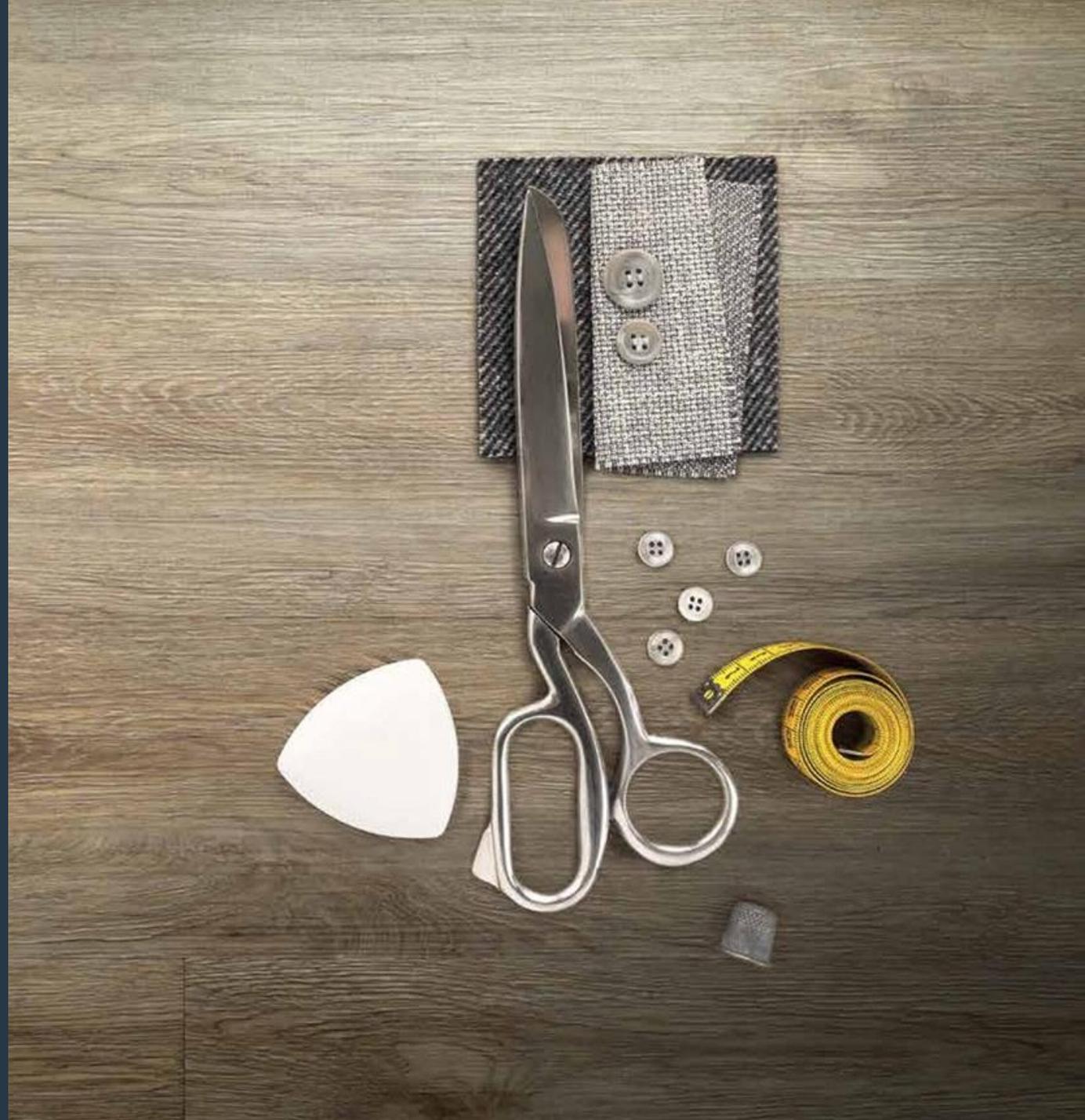


floor **plan** systems ltd

CHARM FLOOR

PLUG & PLAY COVERINGS

Charmfloor is a brand new collection of magnetic backed floor finishes for use on raised access flooring.. Charmfloor is quick and easy to lay directly onto the raised floor without gluing. Charmfloor allows for easy and rapid access to the sub structure and can be laid quickly at the end of a project eliminating the need for protection.



CHARM FLOOR

PLUG & PLAY COVERINGS



Thanks to the magnetic base layer, laying Charmfloor is both quick and easy. No time is wasted applying adhesives or waiting for them to dry during installation.

Installation can be even be done at the last minute, leaving the floor and the rest of the room ready for immediate use. Charmfloor can be installed directly onto a raised access floor.

Room layouts can be changed as needed, with full access and minimum inconvenience thanks to the modular nature of the floor covering and the wide range of shapes and sizes. Elements can be combined as desired and even replaced individually. Charmfloor is an ecologically sustainable solution thanks to the complete absence of adhesives.

Carefully selected materials and constant quality control guarantee a perfect finish.

APPLICATION



THE COLLECTION

THE COLLECTION

CHARMWOOD



CHARMWOOD

CharmWood is a magnetic backed floor covering in natural wood. It comprises of an oak surface layer over a core of phenolic birch plywood and a base layer consisting of a mix of thermoplastic resin and magnetically charged ferrite.

CharmWood is formed in thin planks and tiles, treated, stained, finished in protective oils or wear-resistant varnish and squared to a fine tolerance.

The edges are protected against humidity and slightly chamfered for easy installation.

Varnished Natural Oak - CWa01_0001

Oiled Natural Oak - CWa01_0101

Pale White - CWa01_0002

Honey Blonde - CWa01_0003

Country Mist - CWa01_0004

Antique Leather - CWa01_0005

Smoke - CWa01_0006



EN 14342:2005 + A1:2008

DATA	STANDARD	VALUE
REACTION TO FIRE*	UNI EN 13501-1	Dfl_s1.d0
EMISSION OF FORMALDEHYDE*	EN 13986, EN 717-1	E1
CONTENT OF PENTACHLOROPHENOL*	CEN/TR 14823	<5ppm
EMISSION OF V.O.C.	-	Very low emission
BRINELL HARDNESS (AVERAGE VALUE)	EN 1534	37MPa
BREAKING STRENGTH	EN 1533	n/a
SLIPPERINESS*	CEN/TS 15676, EN 1339	n/a
REDUCTION OF SOUND (WEIGHTED INDEX ΔLWINDB)	ISO 140-8, ISO 717-2	n/a
THERMAL INSULATION (RT m2 K/W)	ISO 10456:2007	0,101
THERMAL CONDUCTIVITY*	EN 12664, UNI EN 12524	0,11
BIOLOGICAL DURABILITY*	EN 335-1, EN 335-2	n/a

Example finishes only. Charmfloor can be manufactured to suit your specification and design.

THE COLLECTION

CHARMGRES





CHARMGRES

CharmGres is a magnetic backed, ceramic-finish floor covering.

CharmGres monolithic porcelain tiles have shock-proof ABS edging and a base layer consisting of a mix of thermoplastic resin and magnetically charged ferrite.

CharmGres tiles are squared to a rigorous tolerance, and are gently chamfered at the edges for easy installation.

ISO 13006 - G - BIAUGL (E≤0,5%) UNI EN 1441 - G -

DATA	STANDARD	VALUE
DIMENSION AND APPEARANCE	ISO 10545-2	COMPLIANT
WATER ABSORPTION	ISO 10545-3	0,05%
FLEXURAL RESISTANCE	ISO 10545-4	≥35 N/mm ²
DEEP ABRASION RESISTANCE	ISO 10545-6	≥130 mm ³
LINEAR EXPANSION THERMIC COEFICIENT	ISO 10545-8	≤ 9 MK ⁻¹
RESISTANCE TO SUDDEN TEMPERATURE CHANGES	ISO 10545-9	RESISTANT
FROST RESISTANCE	ISO 10545-12	RESISTANT
CHEMICAL RESISTANCE	ISO 10545-13	COMPLIANT
STAIN RESISTANCE	ISO 10545-14	COMPLIANT
COLOR STABILITY TO LIGHT	DIN 51094	COMPLIANT

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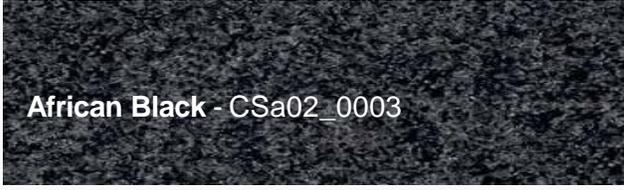
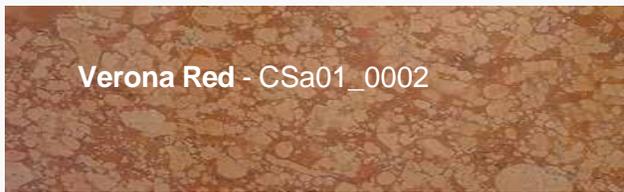
THE COLLECTION

CHARMSTONE



CHARMSTONE

CharmStone is a magnetic backed floor covering. CharmStone monolithic marble, granite, natural and mixed stone tiles incorporate a base layer consisting of a mix of thermoplastic resin and magnetically charged ferrite. The tiles are squared and chamfered to a rigorous tolerance, and feature gently sloping sides for easy installation.



Technical Information

Due to the diversity of the product range we are unable to provide a generic technical specification for the whole range. Information can be provided upon decision on finish.



THE COLLECTION

CHARMMETAL



Calamine - CMa02_0001



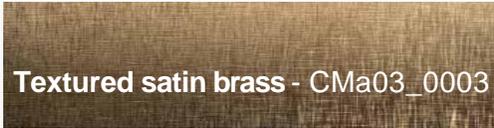
Textured satin steel - CMa01_0003



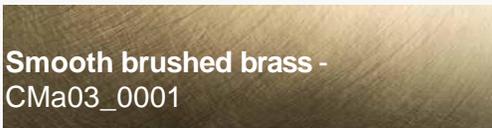
Smooth brushed steel - CMa01_0001



Textured satin brass - CMa03_0003



Smooth brushed brass - CMa03_0001



Lead - CGAu1_0006

1,5 mm

Metal

0,5 mm

Plastic base layer containing magnetically charged ferrite

CHARMMETAL

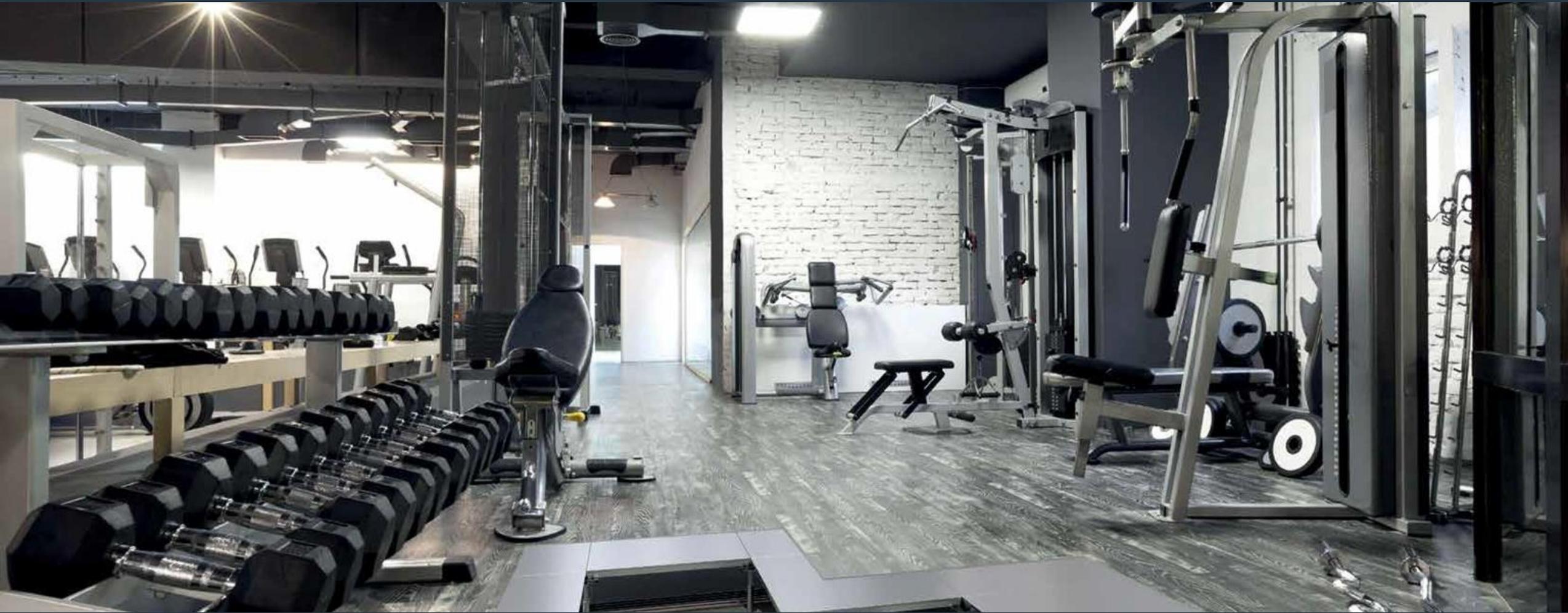
CharmMetal is a magnetic backed metal-finish floor covering. Its monolithic metal tiles are treated to achieve a range of finishes and have a base layer consisting of a mix of thermoplastic resin and magnetically charged ferrite. These tiles are squared and finished to the most rigorous tolerances.

Technical Information

Due to the diversity of the product range we are unable to provide a generic technical specification for the whole range. Information can be provided upon decision on finish.

THE COLLECTION

CHARMPLUS



Basalt Grey - CPa02_0004

Aged Oak - CPa01_0001

VIntage Elm - CPa01_0002

Ice Oak - CPa01_0003

Sand Oak - CPa01_0004

Zinc - CPa02_0001

Grey Cloud - CPa02_0002

Grey Cement - CPa02_0003

CHARMPLUS

CharmPlus is a magnetic backed vinyl-finish floor covering made from layers of different types of PVC. It is produced in a high-pressure forming process to guarantee quality, durability, colour fastness and exceptional dimensional stability. The base layer consists of a mix of thermoplastic resin and magnetically charged ferrite.

EN 649 + EN 14041:2004

DATA	STANDARD	VALUE
FIRE REACTION	EN 13501-1	Bfl_s1
FORMALDEHYDE EMISSION	EN 717-1	E1
SLIP RESISTANCE	EN 13893	DS
	DIN 51130	R9 / R10
OVERALL THICKNESS	EN 428 (EN ISO 24346)	3,00 mm
DENSITY OF WEAR LAYER	EN 436 (EN ISO 23996)	1.273 g/cm ³ (average value)
DIMENSIONAL STABILITY	EN 434 (EN ISO 23999)	< 0,10%
WEAR RESISTANCE	EN 660-2	T
CASTOR CHAIR SUITABILITY	EN 425	No change of surface
ELECTROSTATIC PROPENSITY	EN 1815	< 2 Kv
COLOR FASTNESS TO LIGHT	DIN 51130	Grade >6
CHEMICAL RESISTANCE	EN 423 (EN ISO 26987)	No change (Class 0)
SOUND REDUCTION	-	5 db
THERMAL RESISTANCE	ISO 8302 (EN 12664)	0.012 m ² K/W (underfloor heating max 27°C)
PERFORMANCES CLASSIFICATION	EN 685 (EN ISO 26986)	33 - 42
V.O.C. EMISSION	Very low emission	Fulfills AgBB and Dibt requirements



- UV-resistant varnish coating
- Anti-wear layer
- Decorative layer
- First layer of PVC
- Fibreglass
- intermediate layer of PVC
- Bottom layer of PVC + magnetised ferrite

Example finishes only. Charmfloor can be manufactured to suit your specification and design.

WHERE?

CharmFloor has been created for combined use with steel raised floor panels as perfect match. However, it can be used also over any metal ferrous surface if levelled, regular and clean. Moreover, even where there is no metallic surface, it is possible to create one by using a special plastic foil with ferrite added and lay CharmFloor directly over it. As before, the surface under the metallic foil needs to be level, regular and clean.

WHEN?

The perfect timing for laying CharmFloor is at the end of any other work and after the laying of the steel raised floor. It is the last thing to do before the furniture. Using it in an earlier stage is possible, but careful consideration to protecting the finish is necessary.

HOW?

For lifting after the lay, we always recommend to use a proper suction cup taking into account the size and weight of the product. Do not use a screwdriver or any unfit instrument; otherwise, you risk damaging the product.

FAQ

MOVE?

Once CharmFloor is laid on the whole floor,, the magnetic force prevents any kind of sliding or undesired movement. However, it is always possible to remove it easy by lifting it vertically with a suction cup.

CONDITION?

Floor must be level, no steps between panels and clean to ensure it can magnetically connect to plank. The ideal scenario is to have a new raised access floor.

FLOOR BOX?

Floor boxes can be cut in to Charmfloor just as you would with most other coverings. A cut of the Charmfloor or a veneer without the magnetic backing can then be inserted into the floor box.

PERIMETER?

It is recommended that a small gap is left round the perimeter. This can either be covered by skirting boards or filled with a neoprene edge.