



**INDUSTRIAL FLOORINGS**

**QUICK & EASY INSTALLATION**

**SAFETY & AESTHETICS**

**LOW MAINTENANCE**

# **MODULFIX<sup>®</sup>**

THE SMART FLOORS



偉嘉建築材料有限公司

**RICA**  
BUILDING MATERIALS CO., LTD.

rica-hk.com

# **MODULFIX<sup>®</sup>**

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### WHEN THERE IS THE NEED OF AN INDUSTRIAL FLOORING

The Modulfix® tiles are so resistant that they can be installed in industrial places (stocking areas, warehouses, garages) submitted to the traffic of forklifts, pallet trucks, cars or industrial vehicles. An extreme abrasion resistance makes the tiles very durable and long-lasting. Besides, they offer an excellent resistance to chemicals, oils, acids and other liquids.



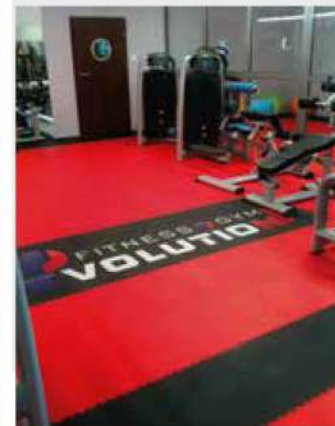
### WHEN THE INSTALLATION HAS TO BE QUICK & EASY

Modulfix® floors do not need to be glued down (except for important temperature changes or extreme loads traffic). The tiles are installed with a rubber hammer, and cut with a cutting knife or a circular saw. The subfloor preparation is minimum, generating almost no dust and avoiding the end-user to stop his activity. The tiles that are not glued down can be re-used when changing premises.



### WHEN SECURITY IS A PRIORITY

Alternating colours helps identify the traffic areas. The 3 top textures are anti-slippery R10. Perimeter ramps and angles are available for a perfect finish. The Modulprint® system makes possible the printing of any picture or pictogram. It is a floor that helps isolate from cold, noise, vibrations or impacts but also helps reduce muscular stress and fatigue in the legs.



### APPLICATIONS

Modulfix® is the perfect floor for warehouses, plants, garages, workshops, stocking areas, supermarkets, shops, cold rooms, schools, gyms and so many more commercial and industrial places.

### POSSIBILITIES

The Modulfix® tiles are 50x50cm and can be made in:

- ★ 3 textures and 11 colours (see in the brochure).
- ★ 3 thicknesses: 5mm (X5) / 7mm (X7) / 9mm (X9).
- ★ Extra-hard PVC (Extreme X9 / Heavy X7). Recommended in heavy weights environments.
- ★ Antistatic dissipative version (AS) for ESD control.

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### 3 TEXTURES



#### Smooth texture

The joint is almost invisible, very hermetical, and gives a continuous floor aspect.

MODULFIX® X5 CLASSIC - X7 SOLID - X7 ANTISTATIC - X7 HEAVY - X9 EXTREME



#### Metal plate texture

The joint is almost invisible, very hermetical, and gives a continuous floor aspect.

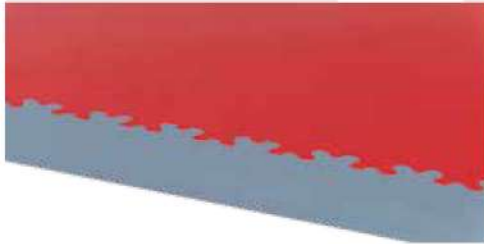
MODULFIX® X5 METAL - X7 METAL



#### Smooth leather texture - Hidden joint

MODULFIX® X5 TERRA - X7 TERRA

### ACCESORIES



8cm wide acces ramps and angles are available in all colours. They save the difference of levels between the tiles and the existing floor.

### PICTOGRAMS



The Moduprint® system allows the printing of any security pictogram (fire, prohibited, stop, arrows, authorized...) The above images are not exhaustive and just examples.

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## 11 COLOURS



WHITE 9003



LIGHT GREY 7045



DARK GREY 7015



SLATE GREY 7016



BLUE 5005



BLACK 9004



BEIGE 1019



YELLOW 1018



ORANGE 2009



RED 3020



GREEN 6005

### PRODUCTION NORMS

- ★ It is possible to produce any model in any color except for the references MODULFIX® X7 ANTISTATIC, X7 HEAVY, X9 EXTREME, available only in Light Grey, Dark Grey, Slate Grey and Black. Consult us for special custom colours.
- ★ It is important to take into account that it is impossible to guarantee an identical shade between two productions. A slight difference may occur.
- ★ Modulfix® tiles are 100% recyclable.

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	NORMS	MODULFIX X9 EXTREME	MODULFIX X7 HEAVY	MODULFIX X7 SOLID / METAL	MODULFIX X7 TERRA	MODULFIX X5 CLASSIC / METAL	MODULFIX X5 TERRA
Thickness (mm)	EN 428	9mm	7mm	7mm	7mm	5mm	5mm
Surface	-	Smooth texture	Smooth texture	SOLID: Smooth texture METAL: Metal plate	Smooth leather Hidden joint	CLASSIC: Smooth METAL: Metal plate	Smooth leather Hidden joint
Dimensions (mm)	EN 427	508x508mm	508x508mm	508x508mm	500x500mm	508x508mm	500x500mm
Weight (kg/m <sup>2</sup> )	EN 430	12kg/m <sup>2</sup>	9,5kg/m <sup>2</sup>	9,2kg/m <sup>2</sup>	9,2kg/m <sup>2</sup>	8kg/m <sup>2</sup>	8kg/m <sup>2</sup>
Quantity per box	-	6 tiles / 1,5m <sup>2</sup>	8 tiles / 2m <sup>2</sup>	8 tiles / 2m <sup>2</sup>	8 tiles / 2m <sup>2</sup>	10 tiles / 2,5m <sup>2</sup>	10 tiles / 2,5m <sup>2</sup>
Available colours	-	4	4	11	11	11	11
Shore hardness	ISO868	Shore D57 Extra-hard PVC	Shore D57 Extra-hard PVC	95 Shore A	92 Shore A	92 Shore A	82 Shore A
Fire resistance	EN 13501-1	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1	Bfl-S1
Slip Resistance	DIN 51130	R10	R10	R10	R10	R10	R10
	EN 13893	DS	DS	DS	DS	DS	DS
Chemical resistance	EN 423	Good	Good	Good	Good	Good	Good
Light resistance	EN 20105	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Dimensional stability	EN 434	0,09%	0,09%	0,11%	0,11%	0,11%	0,11%
Indentation resistance	EN 433	0,06mm	0,06mm	0,1 mm	0,1mm	0,1mm	0,1mm
Electrical resistance	EN 1815	< 2kV	< 2kV	< 2kV	< 2kV	< 2kV	< 2kV
	EN 1081	≤10 <sup>12</sup> Ω	≤10 <sup>12</sup> Ω	≤10 <sup>12</sup> Ω ≤10 <sup>9</sup> Ω (AS version)	≤10 <sup>12</sup> Ω	≤10 <sup>12</sup> Ω	≤10 <sup>12</sup> Ω
Thermal conductivity	ISO 8302	0,517m <sup>2</sup> K/W	0,381m <sup>2</sup> K/W	0,381m <sup>2</sup> K/W	0,381m <sup>2</sup> K/W	0,217m <sup>2</sup> K/W	0,217m <sup>2</sup> K/W
Maximum weight resistance without gluing (indicative and non-contractual maximum weights) acc. to the environment (thermal changes, wheels, weights). Gluing can be necessary, it will increase the maximum weight that can transit on the tiles.	4 rubber wheels forklift	6,5MT	4,5MT	2,5MT	Not adapted	Not adapted	Not adapted
	3 rubber wheels forklift	3,5MT	2MT	1,5MT	Not adapted	Not adapted	Not adapted
	Manual pallet truck	2MT	2MT	1,5MT	Not adapted	0,5MT	Not adapted
	Electric pallet truck	2MT	1,5MT	1MT	Not adapted	Not adapted	Not adapted
	Vehicles	10MT	6MT	4MT	Not adapted	Not adapted	Not adapted

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**Installation:** The Modulfix® tiles can be installed loose-lay on hard surfaces. The tiles are cut with a circular saw and installed with a rubber hammer. The tiles should not be installed below 15°C and should be left in the room at least 24 hours prior to their installation. It is recommended to leave at least a 5mm gap between the tiles and any fixed point. It is necessary to glue the areas under direct sun exposure or exposed to important temperature changes. The heavy industrial vehicles transit (especially the vehicles equipped with thin and hard wheels) can require the gluing of the tiles on a clean, hard, dry and levelled surface using a two-component PU adhesive. If the floor is installed loose-lay, it is recommended to cut the tiles around the heavy machines or racks so that the floor will be free to expand or contract. Allow minimum 48 hours before transiting with an industrial vehicle above the glued areas.

**Maintenance:** The Modulfix® tiles are to be cleaned with water and neutral detergent or degreaser recommended for synthetic floors. It is possible to use a single disc washing machine with a light brush or pad (it is recommended to try the brush and the products on a small area before its general use). Make sure you clean the floor from aggressive liquids as soon as possible to avoid prolonged contact and maintain its best aspect. If the floor is very dusty, it should be brushed or vacuumed first.

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