

Lightweight system using Planitop HPC Floor



- NO** Steel connectors
- More compact layer
- NO** Electro-welded mesh

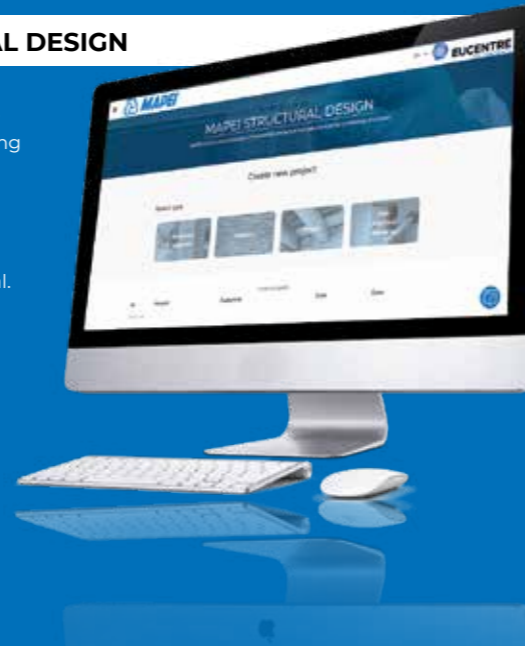
MAPEI STRUCTURAL DESIGN

Free on-line calculation tool for the dimensioning of MAPEI strengthening systems on structural elements of existing buildings.

Based on the latest international reference standards and multilingual.

Available free of charge on the Mapei website and accessible from PC, tablet or smartphone, with no need for installation.

Conceived by Mapei and developed in collaboration with Eucentre, an international IT and research centre in the field of seismic and structural engineering.



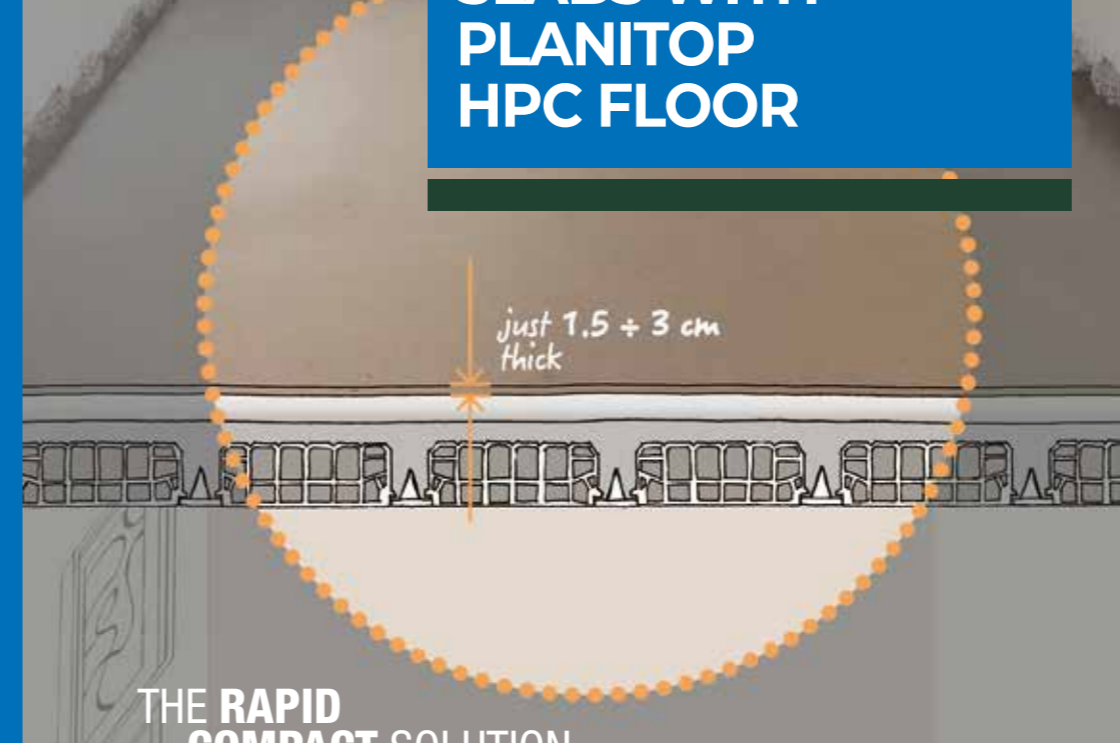
DISCOVER THE DESIGN SOFTWARE FOR
STRUCTURAL STRENGTHENING PROJECTS
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STRENGTHENING SLABS WITH PLANITOP HPC FLOOR



THE RAPID COMPACT SOLUTION.

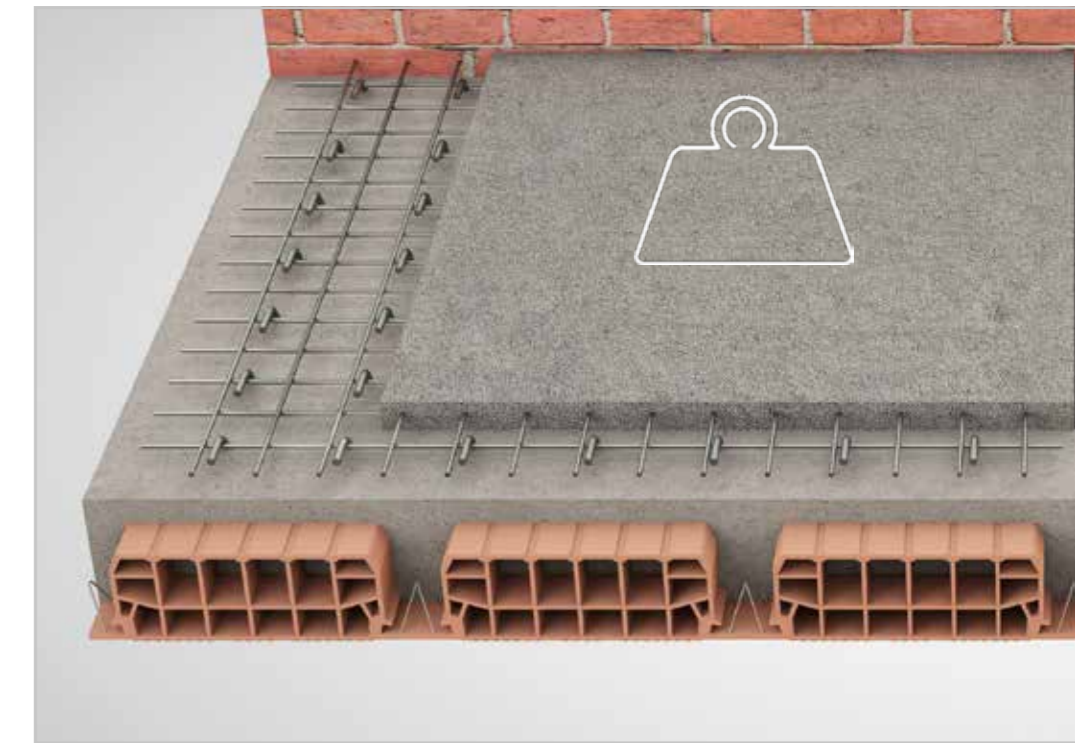
*Strengthening slabs has never been so easy...
...the revolution is called Planitop HPC Floor!*

C.P. MK/70630 (1) 12/2022



Why choose
Planitop HPC Floor

Traditional system



- SI** Steel connectors
- At least 5 cm thick
- SI** Embedded electro-welded mesh



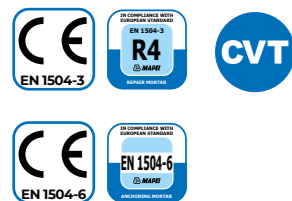
What is Planitop HPC Floor?



Planitop HPC Floor is a one-component, fibre-reinforced, ultra-high-performance, highly fluid, free-flowing cementitious mortar designed to make structural screeds suitable for strengthening floors and form rigid diaphragms.

WHY USE PLANITOP HPC FLOOR?

- one-component with structural fibres in the bag;
- extremely high mechanical performances;
- can be used in low thicknesses;
- CVT certified as FRC material (Fibre Reinforced Concrete) for structural strengthening and CE marked in compliance with EN 1504-3 and EN 1503-6;
- supplied in 25 kg vacuum-packed polyethylene bags.



COMPACT AND LIGHTWEIGHT STRENGTHENING SYSTEM

	THICKNESS APPLIED	DENSITY	OVERALL WEIGHT OF INTERVENTION	
Traditional concrete:	5 [cm]	2400 [kg/m ³]	125 [kg/m ²]	-
Lightweight concrete:	5 [cm]	1400 [kg/m ³]	70 [kg/m ²]	- 44 %
Planitop HPC Floor	2.5 [cm]	2400 [kg/m ³]	60 [kg/m ²]	- 52 %



For any type of slabs



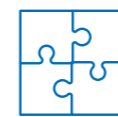
BRICK-CEMENT



WOOD



BRICK-STEEL BEAM



Installation phases

1



Roughen the substrate

2



Anchor around the edges with steel bars

3



Consolidate the surface with **Primer 3296**

4



Mix product in a standard cement mixer

5



Pour over the outer surface

6



Level off the surface



Range of products

Discover the full **range of Planitop HPC Floor**, designed to adapt to specific project requirements:

- **Planitop HPC Floor**
fluid, for thicknesses between 1 and 4 cm
- **Planitop HPC Floor T**
semi-fluid, to follow the slight slopes typical of wooden floors, for thicknesses between 1 and 4 cm
- **Planitop HPC Floor 46**
fluid micro-concrete for thicknesses between 2 and 8 cm
- **Planitop HPC Floor 46 T**
semi-fluid micro-concrete for thicknesses between 2 and 8 cm

