

Strengthening slabs with *Planitop HPC Floor*



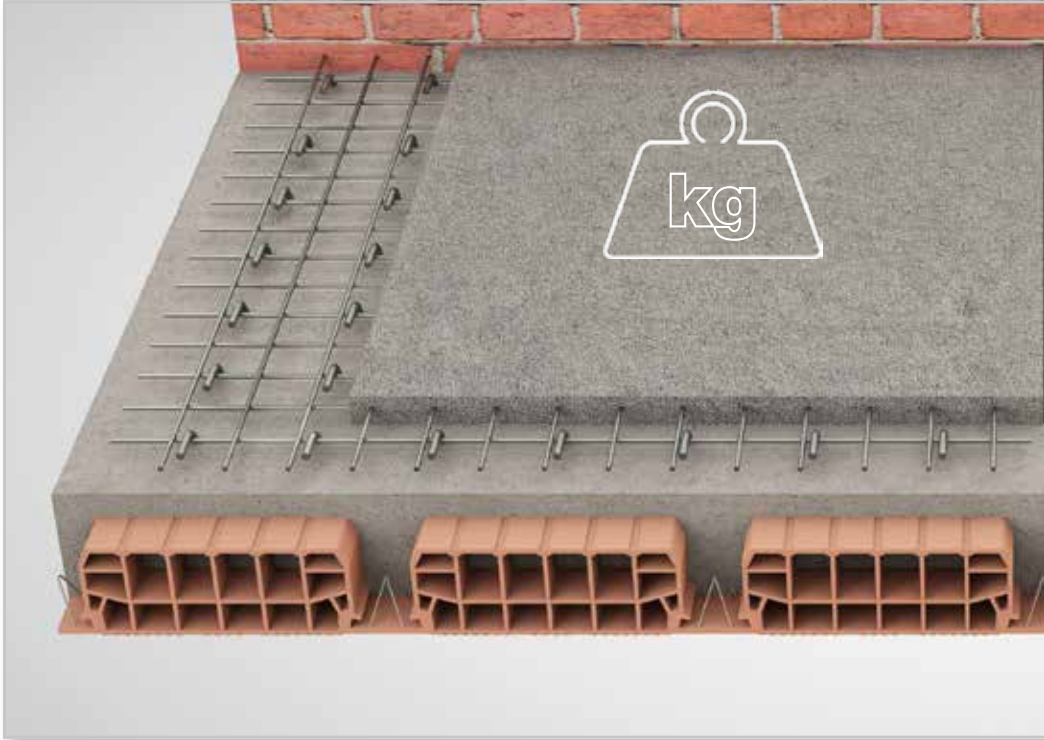
THE RAPID
COMPACT SOLUTION.

just 1.5 ÷ 3 cm
thick

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



Traditional system



YES Steel connectors

At least 5 cm thick

YES Embedded electro-welded mesh

WHAT IS PLANITOP HPC FLOOR?



PLANITOP HPC FLOOR is a one-component, ultra-high-performance, free-flowing mortar designed to make structural screeds suitable for strengthening floors and form rigid diaphragms.

WHY USE PLANITOP HPC FLOOR?

- one-component product;
- fibre-reinforced;
- supplied in 25 kg vacuum-packed polyethylene bags.

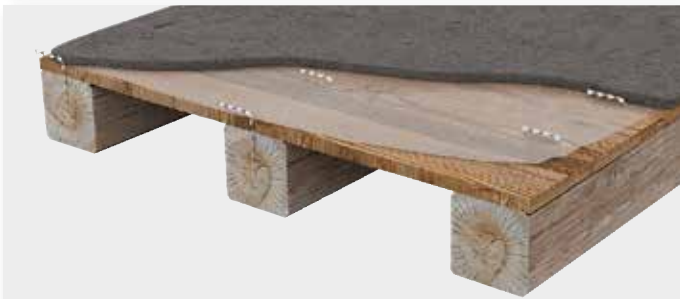
COMPACT AND LIGHTWEIGHT STRENGTHENING SYSTEM

	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 %
<i>Planitop HPC Floor</i>	2.5 [cm]	2400 [kg/m ³]	60 [kg/m ²]	- 53 %

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

STRENGTHENING SLABS WITH PLANITOP HPC FLOOR



Lightweight system using
Planitop HPC Floor



NO Steel connectors

More compact layer

NO Electro-welded mesh

FREE DESIGN SOFTWARE

new

Designing your own strengthening system for floors using Planitop HPC Floor is now possible thanks to "**MAPEI HPC FORMULA**".

Simple, intuitive graphic interface for designers carrying out numerical evaluation of a strengthening intervention.

Developed by Mapei in collaboration with the "*Federico II*" University of Naples, Department of Structural Engineering (DIST).

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