CONSTRUCTION CHEMICALS TECHNOLOGIES

VIMAFLOOR

Self leveling – Pour able cement mortar for flooring

CHARACTERISTICS

VIMAFLOOR is a pre-made self leveling cement based mortar with quartz aggregates reinforced with polymer in powder form. It offers a flattening coating over cement substrates of thickness 0-10 mm, easy on application. The usual average thickness of **VIMAFLOOR** application is 3 mm. Sets without any cracking and offers a smooth, tide and durable surface.

APPLICATIONS

- Smoothing and leveling for concrete or cement mortar or mosaic floor surfaces etc in indoor areas. It's final aim is to facilitate the placement of ceramic tiles, natural stone plates, plastic floors, wooden floors either natural or synthetic, velvet carpet etc

- Final coating, for medium traffic floors located in auxiliary areas, such as home storage rooms, attics and other auxiliary areas.

TECHNICAL DATA

Bulk density of dry mortar (ΕΛΟΤ EN 1097-03):		1,24 kg/l
Mixing Water (percentage over dry mortar):		24%
Cohesion (ΕΛΟΤ EN 1015-03):		>300 mm
Bulk density of fresh mortar (ΕΛΟΤ EN 1015-06):		2,05 kg/l
Material Efficiency:		1,65 kg/l
Dry bulk density of hardened mortar (ΕΛΟΤ EN 1015-10):		1,90 kg/l
Mechanical Strength		
(ΕΛΟΤ EN 1015-11)	Crushing Test after 7 days:	26,50 N/mm^2
	after 28 days:	28,60 N/mm^2
	Elongation Strength after 7 days:	5,28 N/mm^2
	after 28 days:	6,70 N/mm^2
Final Hardening Time (ΕΛΟΤ EN 1015-04):		50 min

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SUBSTRATE PREPARATION

Substrate must be sound, clean free of dust and loose parts, oil or grease.

Substrate is required to be primed with the use of **VIRESIN** diluted with water volume on a 1:1 ratio, or ready-to-use water based primer **VIM-PRIMER**. Primer consumption 200 – 300 g/m^2

VIMAFLOOR application must take place after the primer has dried (approximately 1 hour)

HOW TO USE

VIMAFLOOR is gradually added to water under continuous stirring until a homogenous, lump free fluid mix is formed.
An electric mixer (up to 400 rpm) is recommended, in order to avoid air entrapment within the mixture.

The mixture is left about 15 -10 minutes to rest and then stirred again before use.
For a 25 kg **VIMAFLOOR** bag, 6 kg of water are required (24%). If setting of the product has already begun, no water is allowed to be added in order to soften the mixture.
The mortar is poured onto the primed substrate and is spread with a smooth metallic spatula or screed. Fresh **VIMAFLOOR** seeks its own level.
Before setting of **VIMAFLOOR** and especially in cases where the substrate is rough and porous, the use of a tooth roller (hedge pig) is recommended to achieve homogenous application and also to release any entrapped air in the product. In other case there is possibility that the entrapped air might create small craters on the surface of the hardened **VIMAFLOOR.**
In case of a layer thickness over 10 mm, the addition of sand (size 2,4 - 4mm) in a ratio up to 30%, allows for **VIMAFLOOR** layer up to 30 mm. The sand is added while stirring the fresh mortar without any further water addition.
During high weather temperatures, it is advised to mildly sprinkle with water the **VIMAFLOOR** layer immediately after application to avoid dehydration. On the contrary during winter season, the weather temperature during application should not be lower than +5^{0}C.

CONSUMPTION

For 1 mm thickness, the consumption of dry mortar is 1,80 kg/1 m^2
For an average 3 mm thickness, the consumption of one **VIMAFLOOR** covers 4,5 m^2.

WALKABILITY

The floor is walkable and ready for use after 24 hours

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STORING

At least 12 months in closed bags in dry and moisture free environments

!!!ATTENTION: Addition of other substances except water in **VIMAFLOOR** will result in decay of its characteristics.

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