ROCKFLOOR F10

SELF-LEVELLING FIBERS-REINFORCED, THICKNESS UP TO 10 mm

Professional self-levelling fibers-reinforced product characterized by fast drying and fast setting times, manufactured using cements with low chromates content. It is ideal for laying parquet, ceramic, marble and grès tiles on irregular and deforming subfloors. The product is the right balance between high fluidity, high levelling time and very-fast drying time. Rockfloor F10 is suitable also on underfloor heating systems. Only for interiors.

Technical data

Chemical-Physical characteristics (20ºC – 60% R.H.)

Appearance	Grey premixed	Granulometric range	$0 \div 0,4$ mm
Specific gravity	1,98 g/cm^3	Coverage	$\approx$ 1,5 kg/m^2 each mm of thickness

Times and mixing ratios (20°C – 60% U.R.)

Mixing water for 25 kg	Min 5,3 lt Max 6 lt (between 21-24 %)	Application temp.	> + 5°C
Pot-life	> 30'	Foot traffic - Thickness < 3mm - Thickness 3÷10 mm	$\approx$ 2-3 h $\approx$ 3-8 h
Levelling time	> 20'	Waiting time for laying	12 h for ceramic 24 h for parquet

Technical Characteristics   (20°C – 60% U.R.)

Minimum thickness	$\geq$ 1 mm	Mechanical strenght:	
Maximum thickness	$\approx$ 10 mm	- compression (24 h) - compression (7 gg) - compression (28 gg) - abrasion (24 h)	$\geq$ 10 N/mm^2 $\geq$ 20 N/mm^2 $\geq$ 30 N/mm^2 $\leq$ 150 mm^3
Superficial hardness (28 gg)	$\geq$ 45 N/mm^2		
Adhesion on concrete (28 gg)	$\geq$ 1,5 N/mm^2	- parallel to laying plane strain (28 gg)	$\geq$ 3,5 N/mm^2
Trasversal deformation	$\geq$ 2,5 mm	- flexion (28 gg)	$\geq$ 7,0 N/mm^2

Storage and labeling

Storage of original unopened bags at dry amb.	6 months	Symbols of danger	NONE

Tools Cleaning	With water just after use
Packaging	25 Kg bags

Application

Rockfloor F10 can be used on traditional cementitious screeds, prefabricated concrete, fresh concrete castings, wooden floors and also on residues of cement-based adhesives. Anyway be sure that the subfloor is compact, clean, out of risk of rising damp, free from oils, grease and any detaching substance; cementitious subfloors have to be enough aged to complete the hygrometric shrinkage.

Preparing subfloors.

ABSORBENT subfloors.

- In case of concrete superficial inconsistency, employ Primer C1 or Nano-fix. In case a deep consolidation is needed use the water-based primer Primer TS or one of the following: Primer PU100, Toverfix, Adeblok T19.
- For laying on wooden surface sand it and carefully clean the powder then apply Primer C4 like described in specific TDS. If the surface is large it is recommended to fix down an antialcaline 4x5 mm mesh size net and not to go over 5 mm thickness.
- In case of anhydritic subfloor verify that they are dry, sanded and treated superficially with Primer C1 or Nano-fix.

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- On <u>damp subfloors or highly inconsistent</u> ones, apply two coat of Toverfix or Adeblok T19 diluting the first coat as desrcibed in the specific TDS and take care to sand the last one for enough grip.

<u>NOT ABSORBENT subfloors</u>.

In case of not absorbent subfloors or very low absorbent ones, but well anchored and compact, remove all previous surface treatments then proceed with mechanical abrasion and apply of the specific adhesion promoter (Primer C4, see TDS).

Mixture preparation.

Pour into a container approx. 75% of the total required water and sprinkle Rockloor F10 gradually into by the use of a mechanical mixer (≈ 400 turns/min). Add in a second time the remaining water and mix until an homogenous and fluid paste is obtained.

Application.

Apply Rockfloor F10 by an american spatula. To realize large surfaces in a short time it can be used a pump for plasters without affecting homogeneity. The regulation of the thickness can be done using a steel comb. Possible air bubbles formed because of an high absorbing subfloor, a long time mixing or a too high speed mixing, can be removed using an apposite roll.

In case of a second application of Rockfloor F10, it has to be done just before the first one is ready for foot traffic (see table above) with a preliminary spreading of the specific adhesion promoter: Primer C4 (see its TDS); otherwise wait approx. 5 days, apply Pimer C4 and following the second Rockfloor F10 layer.

Note

- ✓ Rockfloor F10 has got very high self-levelling properties so it is recommended to not add more extra water; it doesn't improve the product workability otherwise it can induce an harmful exceeding shrinkage during ageing and so affect final mechanical characteristics.
- ✓ Do not add any binder or additive to the mixture.
- ✓ Low temperatures and high relative humidity can extend the normal drying time of the product; in this case keep a sufficient ventilation during the first hours to avoid the condensation on the surface.
- ✓ During the first 12 hours of ageing protect from direct sunlight and from air draught.
- ✓ Take care the elastic joints inserted in the subfloor.
- ✓ With Rockfloor F10 it is possible to realize thickness up to 25-30 mm adding approx. 30% of sand with a granulometry ranging from 0 to 4 mm during the mixing. In this case treat the surface using the adhesion promoter Primer C4 even if the subfloors is absorbent.
- ✓ To make an optimal and abundant mixing, a slow-speed vertical blade electric agitator is advised to be used.
- ✓ For laying parquet realize levelling with thickness higher than 3mm.
- ✓ In case a **waterproofing** treatment is needed it has to be done **before** the levelling.

Safety Rules

FOR PROFESSIONAL USE ONLY. Strictly respect the information reported on the labels and consult safety data sheets before use.

Disposing of waste

Dispose not used product and empty containers in accordance of local in force regulations.