



CT-C30-F7
EN 13813

BASEFORTE® GRIGOLEVEL 1_10

High-performance, quick-setting, self-levelling mortar for thicknesses in application from 1 to 10 mm.



Product description

High performance self-levelling mortar, for thicknesses in application from 1 to 10 mm, with quick setting, quick hydration and controlled shrinkage, for internal floors, used to level and correct the planarity of cementitious substrates before laying of: ceramic tiles; wood; resilient pavement; natural stones; marble and granite; resin.

Fields of use

- Realization of self-levelling layers in thickness from 1 to 10 mm to be covered with tiles, parquet, resilient materials;
- Ideal for heated floors;
- Ideal for floorings subject to heavy traffic and to mechanical and thermal shocks;
- Applications on anhydrite screeds or very absorbent substrates, after surface treatment with BASEFORTE® PRIMER IDROX at least 6 hours before laying;
- Applications on non-absorbent surfaces, after surface treatment with GRIGOKOLL® PRIMER X.

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Surface preparation

The substrates must be cleaned from dust, oils and fats, must be free from loose parts as residues of cement, lime, paints and adhesives, which must be totally removed. The substrate must be stable, non-deformable, cracks free, and totally dry.

Cement-based surfaces that are not sufficiently solid must be removed or, where possible, consolidated with BASEFORTE® REMAS or with BASEFORTE® PRIMER IDROX.

Cracks in the substrates must be repaired with BASEFORTE® RIPARAMASS.

Dusty or very porous concrete surfaces must be treated with the application of BASEFORTE® PRIMER IDROX, in order to fix the powder and uniform absorption of the substrate.

Anhydrite screeds can be leveled with BASEFORTE® GRIGOLEVEL 1_10 only after applying a layer of BASEFORTE® PRIMER IDROX.

On ceramic or natural stone surfaces apply a coat of GRIGOKOLL® PRIMER X, after cleaning with BASEFORTE® DTG BASICO and / or mechanical abrasion.

Product preparation

Mix the powder with clean water until a homogeneous and lump-free mixture is obtained.

Leave the mixture for 2 minutes, then stir briefly, checking the homogeneity of the product.

The product is a paste of fluid consistency / viscose, easily workable.

Application

Apply BASEFORTE® GRIGOLEVEL 1_10 in one layer from 1 to 10 mm with a large-sized metal spatula, keeping it slightly inclined to obtain the desired thickness.

BASEFORTE® GRIGOLEVEL 1_10 can also be applied with a plastering machine. Thanks to its extraordinary self-leveling feature, BASEFORTE® GRIGOLEVEL 1_10 can eliminate immediately small imperfections (burrs, etc.).

Where a second layer is required, the second application must be done as soon as the first layer is walkable.

Consumption

The consumption of BASEFORTE® GRIGOLEVEL 1_10 depends on the conditions of the support.

Approximated:

1,4 kg / m² per 1 mm of thickness

Tech tips

- BASEFORTE® GRIGOLEVEL 1_10 does not require the addition of other binders (cement, lime, gypsum, etc.) or additives for the above described applications.
- Eliminate possible causes of moisture on the substrates and residual efflorescence.
- In case of separation of the mixture components during the mixing phase, add more powder.
- Use the product only when it is of fluid / viscous consistency. When the product starts gripping, it becomes harder to lay it down, therefore it is necessary to make a new dough.

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Operating times

BASEFORTE® GRIGOLEVEL 1_10	Technical times at + 23 ° C
set to light foot traffic	≈ 2 hrs
ceramic laying	≈ 24 hrs
natural stones laying	≈ 24 hrs
parquet and resilient laying **	≈ 48 hrs

**The application of wooden or generally resilient flooring, should only be done after the screed has achieved a humidity H.R. level lower than 2%. For heated floors it must be lower than 1,7%, to be verified with a carbide hygrometer (UNI 11371).

Supply and storage

BASEFORTE® GRIGOLEVEL 1_10 is supplied in bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. Use before expiry date stated on the bag.

Warnings

On heated substrates, before applying, wait for one day after the system was turned off.

Use the product at temperatures between +5°C and +35°C. Do not add water to the mixture during the setting and do not exceed the recommended dosage.

Do not apply BASEFORTE® GRIGOLEVEL 1_10 with thickness less than 3 mm if subjected to intense traffic or when laying parquet.

The application of wooden or generally resilient flooring, should only be done after the screed has achieved a humidity H.R. level lower than 2%. For heated floors it must be lower than 1,7%, to be verified by a carbide hygrometer (UNI 11371).

Do not apply on substrates subject to bending, on substrates subject to rising damp, and with thicknesses exceeding 10 mm. Follow the expansion joints in the substrate.

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.

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TECHNICAL DATA	PERFORMANCES	STANDARD
Classification	CT C30 F7	
Water in the mix	approx. 5,5-6 lt per bag 25 kg (approx. 22-24%)	
Minimal application thickness	1 mm	
Max application thickness	10 mm	
Pot life	30 min	
Initial setting time	40 min	
Ending setting time	60 min	
Mechanical resistance to flexion at 24 hrs	> 3,5 N/mm ²	
Mechanical resistance to flexion at 28 days	> 7,0 N/mm ²	
Mechanical resistance to compression at 24 hrs	> 20 N/mm ²	
Mechanical resistance to compression at 28 days	> 30 N/mm ²	
Concrete adhesion at 28 days	> 1,5 N/mm ²	EN ISO 7783-1

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