



BASEFORTE® ANIDRILEVEL

High performance, self-levelling anhydrite based mortar for interiors with application thickness from 3 to 30 mm.



Product description

High-performance self-levelling mortar with controlled shrinkage, based on selected inert, anhydrite and specific additives, for thickness from da 3 to 30 mm.

BASEFORTE® ANIDRILEVEL has a high thermal conductivity, is ideal for eco-building thanks to the natural binder, to be used exclusively for interiors.

Fields of use

ANIDRILEVEL is particularly suitable for heating/cooling floors.

ANIDRILEVEL can be used for :

- Self-levelling layers with thickness from 3 to 30 mm in civil settings to be floored with ceramic tiles or parquet
- Levelling and correct the flatness of the back surface before laying ceramic tiles, wood, resilient materials, linoleum, natural stones, marbles and granites
- Large areas
- Restoration of historical-architectural buildings
- Wear layer on plane surfaces
- Eco-building

BASEFORTE® ANIDRILEVEL

Characteristics and peculiarities

- Ideal for application on heating/cooling floors and on traditional floors
- Easy to apply, good fluidity during application
- Possible to realize surfaces without mesh and joints (please check the “warnings” in this same datasheet)
- High dimensional stability
- Ideal for eco-building thanks to its natural binder
- Improves interior environment comfort thanks to high thermal conductivity

Surface preparation

The back surface must be clean and free from dust, oils and fats, free from crumbly parts, inconsistent and not perfectly anchored like concrete, lime, paints or glues residues, that must be totally eliminated. The surface must be stable, not deformable, without cracks and must be completely cured.

The surfaces not enough solid must be removed/consolidated using BASEFORTE® REMAS on traditional screeds, or ONE MICRO on self-levelling screeds. Before applying ANIDRILEVEL, it is necessary to prepare the surface with one coat of BASEFORTE® PRIMER IDROX, water based insulating primer, this to be done at least 2 hours before applying ANIDRILEVEL.

Product preparation

Mix ANIDRILEVEL with clean water, about 17-18 litres every 100 kg of powder (17-18%), till the dough is homogeneous and lampless.

Leave it to rest for 2 minutes, then quickly mix checking the homogeneity of the product. The product has the consistency of a fluid/viscose dough, easy to work.

Application method

To determine the thickness of BASEFORTE® ANIDRILEVEL in case of heating floor, the reference point to be considered is the highest one.

Application thickness:

	anchored	“lowered” or “super lowered” heating floor	traditional system	screed
minimum thickness	8-10 mm	20 mm	20 mm	3 mm

Apply BASEFORTE® ANIDRILEVEL in one single coat from 3 to 30 mm with metallic spatula of big dimensions or with racla, keeping the spatula slowly inclined to obtain the desired thickness. Thanks to its extraordinary self-levelling property, BASEFORTE® ANIDRILEVEL cancels immediately the small imperfections (spatula slimes, etc.). It is advised to finish with the floor preparation roller, which dimensions must be suitable to the laying thickness.

Heating floor

The application on heating floors does not require the use of fluidifying agents as already contained in the product formulation.

It is necessary to switch on the system after complete screed curing to execute the thermal testing, before proceeding with tiling. After a curing time of at least 7 days, the start-up must be done according to norm EN 1264-4 or respecting the following indications:

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.

BASEFORTE® ANIDRILEVEL

- the first heating starts with water at room temperature, that must be remain constant for 3 days;
- following the water temperature must be increased daily of 5°C, till the maximum temperature planned for the use is reached;
- this temperature must be maintained for 3 days for a thickness of 30 mm; for every additional 5 mm of thickness the waiting time will be increased of 1 day;
- after that the water temperature must be reduced each day of 5°C, until initial temperature is reached;
- during the first start-up of the system, verify the ventilation of the premises avoiding air currents.

Laying of floor tiles must be done when the screed is completely cooled or at room temperature.

Tiling

Ceramic, stoneware, natural stone, earthenware

When BASEFORTE® ANIDRILEVEL screed is completely cured, prepare the laying surface with the application of BASEFORTE® PRIMER IDROX, at least 2 hours before laying and according to what indicated in the technical datasheet.

Lay the tiles with the GRIGOKOLL® adhesives product line type C2, according to norm UNI 11493-1.

Wood floor, parquet

The laying of wood floors must be done only when the screed humidity is < 2% (heating floor), or < 0,5% (not heating floor), to check with carbide hygrometer, according to what indicated by the norm UNI EN 10329.

It is advised to sand the surface and suck the dirt residues, dust or detached parts. The back support must be consolidated with BASEFORTE® PRIMER WD and BASEFORTE® DILUENTE WD, which favour an adequate adhesion of the following glue. Glue the wood tiles with GRIGOKOLL® WOOD BIOTEC – mono-component ready to use silanic adhesive, or in alternative GRIGOKOLL® WOOD TEC – bi-component epoxypolyurethane adhesive solvents free.

Average consumption

The consumption of BASEFORTE® ANIDRILEVEL depends from the conditions of the back support.

In general:

19 kg/m² per 1 cm of thickness.

Technical tips

BASEFORTE® ANIDRILEVEL does not require the addition of other binders (concrete, lime, gypsum, etc.) or additives for the above indicated applications.

Eliminate eventual sources of humidity return on the back supports and residual efflorescences. In case the dough should loose homogeneity, add more powder.

Use the product only when it is fluid/viscose. When it starts curing, it is difficult to spread, and it will be necessary to make a new dough.

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.

BASEFORTE® ANIDRILEVEL

Supply and storage

BASEFORTE® ANIDRILEVEL is supplied in 25 kg bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact.

Use within 6 months from production date.

On request BASEFORTE® ANIDRILEVEL can be supplied bulk for the recharge of moving stations, please contact our Technical-Commercial Representative.

Warnings

PRODUCT FOR PROFESSIONAL USE ONLY.

Do not mix BASEFORTE® ANIDRILEVEL with other substances. Do not apply BASEFORTE® ANIDRILEVEL in exterior.

On heating floors, do not use before 1 day after the system has been turned off.

Use the product at a temperature between +5°C and +30°C.

Do not add water to the dough during the intake and do not exceed the recommended dosage.

Do not mix BASEFORTE® ANIDRILEVEL with other similar products.

Lay wood floors, resilient floors and the like only after ascertaining with a carbide hygrometer that the humidity is less than 0,5%. For the laying of wooden coverings on screeds made on under-floor heating it is required a residual humidity of 0,2% (in accordance with the standards of UNI 11371).

Do not apply on supports subject to bending, do not use on undercoats subject to continuous humidity rising, do not apply with thicknesses greater than 30 mm. Respect the elastic joints present in the back surface.

Avoid strong ventilation by closing the doors and windows holes within 48 hours after application, then ventilating the rooms in order to facilitate the drying of the screed. Drying times depend on temperature, humidity and air speed.

Do not use aluminum profiles, as they are not resistant to the alkaline environment.

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.

BASEFORTE® ANIDRILEVEL

TECHNICAL DATA	PERFORMANCES
Classification	CA – C30 – F6
pH	≥ 7
Time till walk-on	24 hrs
Theoretical consumption	19 kg/m ² per cm of thickness
Maximum diameter	1,2 mm
Specific weight	1500 kg/m ³ det. in free fall
Water in the mix	approx. 17-18%
Minimal application thickness	3 mm
Pot life	approx. 30 min after mixing
Mechanical resistance to flexion at 28 days	6 N/mm ² (F6)
Mechanical resistance to compression at 28 days	30 N/mm ² (C30)
Drying time at 20°C and 50% R.H.	1 week per cm of thickness, up to 3 cm
Fire resistance	ClasseA1 fl
Thermal conductivity	1,95 W/mK (tabulated value)
Volume mass	approx. 2100 kg/m ³
Spreading	≤ 250 mm

v. 02/2022

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.