

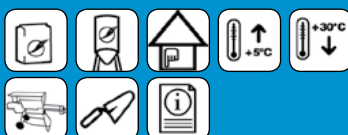


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BASEFORTE® ANIDRIMASS

Anhydrite based self-levelling screed, for eco-building and heated floors.



Product description

Dry premixed self-levelling screed based on anhydrite, selected inerts and special additives.

Fields of use

ANIDRIMASS is a self-levelling screed suitable for interior floors with ceramic tiles, moquette, parquet, linoleum, resilient floors, for civil use (residences, offices, commercial activities). It can be applied on lightened concrete, foam concrete and cement screed in general, with previous application of vapour barrier or suitable primer, insulating primer and perimeter ribber band.

ANIDRIMASS is particularly suitable for heating/cooling floors.

ANIDRIMASS can also be used in case of:

- screeds;
- floating screeds;
- large surfaces;
- restoration on historical-architectural buildings;
- warned-out plane surfaces.

BASEFORTE® ANIDRIMASS

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 joints up to 900 m²
- 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, levelled, homogeneous and evenly absorbent. Verify the humidity level with suitable equipment.

Uneven back surfaces must be levelled with a compensation layer, with the application of BASEFORTE® PLANOMIX with the thickness required to cover eventual hydraulic or electrical systems.

Along all walls and pillars fix the suitable perimeter compressible band, with height superior to the floor finished level.

Before laying BASEFORTE® ANIDRIMASS it is necessary to waterproof the back support, for example with suitable vapour-proof tarpaulins on all surface, overlaying the joints with at least 25 cm. The joints must be sealed with adhesive tape resistant to humidity.

Alternatively, the insulating layer can be realized with the application of a coat of BASEFORTE® PRIMER IDROX, water insulating primer, on the entire surface.

Heating/cooling floors

Make sure the panels are laid well-matched and adhering to the back surface, covering the whole surfaces to the perimeter walls, to avoid thermal or acoustic bridges.

The heating circuits must be checked for leak test by water pressure test.

Floating screed

The thermal or acoustic insulating material must be laid out according to the producer indications and in particular according to norm UNI EN 11516 (application of floating floor systems for acoustic insulation), paying special attention to the joints of tarpaulins or panels.

On the so prepared surfaces and before laying out BASEFORTE® ANIDRIMASS, establish the level indicators.

Product preparation

BASEFORTE® ANIDRIMASS must be mixed with aprox. 16% of clean water to obtain a homogeneous, very fluid consistency and lumpless dough.

Application method

Determine the screed thickness according to the compressibility and thickness of eventual thermal/acoustic insulation, in any case not lower than 3 cm. In case of radiant floor take as reference the higher point of the system or tube.

Jet BASEFORTE® ANIDRIMASS on the surface, spread the product evenly, checking the laying thickness during the application phases.

After jetting, beat the product with specific levelling bar to eliminate bubbles and increase the surface homogeneity.

Apply a second coat in crossways.

BASEFORTE® ANIDRIMASS

If necessary apply a third superficial coat to eliminate eventual irregularities and obtain a perfectly smooth and even surface. The product must not present phenomena of disintegration. The operations so far described must be executed within the product working time. Execute always the spreading control of mortar with its truncated-conical mould, according to norm, to reach a diameter from minimum of 22 to maximum of 24 cm. For applications with a total thickness of > 6,00 cm, please consult the Technical Assistance Service.

Heating floor

Laying on heating floors does not require the use of fluidifying agents since they are already included in the product.

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 first heating starts with a water temperature of 20-25°C, 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 5 days for a thickness of 55 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 10°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.

Tiling

Ceramic, stoneware, natural stone, cotto

When BASEFORTE® ANIDRIMASS screed is completely cured, prepare the laying surface with the application of BASEFORTE® PRIMER IDROX, at least 6 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 up 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 floor with GRIGOKOLL® WOOD BIOTEC – mono-component ready to use silanic adhesive, or in alternative GRIGOKOLL® WOOD TEC – bi-component epoxy polyurethane adhesive solvents free.

Supply and storage

BASEFORTE® ANIDRIMASS 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.

BASEFORTE® ANIDRIMASS is supplied bulk with 22 m³ silos equipments.

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Warnings

PRODUCT FOR PROFESSIONAL USE ONLY.

Do not mix BASEFORTE® ANIDRIMASS with other substances. Do not apply BASEFORTE® ANIDRIMASS in exteriors.

EXPANSION JOINTS

It is necessary to realize expansion joints on BASEFORTE® ANIDRIMASS.

These joints shall ideally divide the surface into regular meshes, and shall then be made at openings, door holes, projections or environments of irregular geometry.

In the case of laying on underfloor heating system, the surface must be < 300 m².

SPLITTING JOINTS

On the screed BASEFORTE® ANIDRIMASS it is necessary to realize splitting joints for at least 1/3 of the thickness of application. These joints shall ideally divide the surface into regular meshes, and shall then be made at openings, door holes, projections or environments of irregular geometry.

Regular geometry surfaces < 1000 mq	Joints not required
Surface with length > (depth x2,5)	Joints required, joints positioning to form regular surfaces < 400 mq
Very large surfaces	Joints required, joints positioning to form squares < 900 mq
Surfaces with protruding corners	Joints required, joints positioning to form regular surfaces < 500 mq

Avoid strong ventilation by closing windows in the 48 hours after application and subsequently ventilate the premises in order to facilitate the drying of the screed.

Drying time depends on: temperature, humidity and air speed.

Do not use BASEFORTE® ANIDRIMASS when temperatures are below +5°C or above +30°C. Do not apply on frozen surfaces. Never apply a thicknesses below 3 cm. For thicknesses greater than 6 cm, consult with our technical service.

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

For the realization of desolarized screeds on polyethylene sheet, intended for the subsequent laying of low thickness and/or resilient coatings, the minimum thickness must be at least 4 cm (in accordance with the standards of UNI 11515-1).

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TECHNICAL DATA	PERFORMANCES
Classification	CA – C30 – F6
pH	≥ 7
Time till walk-on	24 hrs
Theoretical consumption	18 kg/m ² per cm of thickness
Maximum diameter	3,0 mm
Specific weight	1500 kg/m ³ det. in free fall
Water in the mix	approx. 16%
Minimal application thickness	3 cm
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 2 weeks for each additional cm
Fire resistance	Classe A1 fl
Thermal conductivity	1,95 W/mK (tabulated value)
Volume mass	approx. 2100 kg/m ³
Spreading	235 mm

v. 08/2020

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