



## BASEFORTE® MIXCEM PRONTO

Traditional screed ready to use, with normal grip and fast drying, with high workability and controlled shrinkage.



### Product description

Dry premix based on inerts selected in an adequately reconstructed curve from 0 to 3 mm, special hydraulic binders and specific additives for the preparation of fast-drying screeds in accordance to traditional time-table and installation system.

### Fields of use

BASEFORTE® MIXCEM PRONTO is a screed ready to use for the realization of flooring inside and outside, and is characterized by fast drying, normal grip and controlled withdrawal. BASEFORTE® MIXCEM PRONTO is suitable for the preparation of substrates, both internal and external, suitable for the installation of ceramic and wooden floors, carpeting, linoleum, for housing and the tertiary sector. It may be applied on underfloor heating installations, without the addition of fluidifying agents as already contained in the formulation; light concrete; expanded cement and cement screeds generally, taking care to isolate it with a vapor barrier and splitting joints.

After 4 days, the substrate achieves a residual humidity below 2%. For surfaces other than those listed, please consult our technical service.

# BASEFORTE® MIXCEM PRONTO

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.

## Surface Preparation

Before laying BASEFORTE® MIXCEM PRONTO, check the moisture of the surface keeping in mind the fact that, should this be present, by installing a vapor barrier, it will tend to move along the walls.

After having carefully laid a sheet of polyethylene or PVC, fastened all along the walls and pillars with any kind of tape from compressible material, you may proceed to the preparation of the product. For higher thicknesses, such screeds may be reinforced with arc-welded with 20x20 mesh, remembering to keep it raised from the ground so that it is covered by at least 1,5-2 cm of screed.

## Application

BASEFORTE® MIXCEM PRONTO can be prepared in a normal cement mixer or knead by continuous mixer, observing the following order of insertion: water, dry material, until it reaches a texture similar to moist soil. The material prepared as described above should be evenly spread out, compacted and evened off with the aluminum level and finished with a float or a rotating disc machine.

The thermal shock must be performed in accordance with EN 1264-4.

## Supply and Storage

BASEFORTE® MIXCEM PRONTO is supplied in bulk with silo plants of 22 m<sup>3</sup> and 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.

## Specifications

The substrates will be made with the normal-curing, fast-drying traditional cement screed BASEFORTE® MIXCEM PRONTO from Fornaci Calce Grigolin.

BASEFORTE® MIXCEM PRONTO does not require the addition of inerts or binders. Mix only with water to obtain a screed having the following characteristics: mechanical resistance to compression at 28 days exceeding 30 N/mm<sup>2</sup>, flexural strength at 28 days exceeding 6 N/mm<sup>2</sup> and residual humidity after 4 days less than 2% for a 4 cm thickness. The surface on which the screed is laid that will be covered with vapor barrier and bounded with spitting joints.

## Warnings

Do not mix BASEFORTE® MIXCEM PRONTO with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using BASEFORTE® MIXCEM PRONTO when temperatures are below +5°C or above +30°C. Do not apply on frozen supports.

Do not mix for more than 3 minutes and do not exceed the recommended dosages of water, as the excessive amount of the same reduces the mechanical resistance and the drying speed. It is understood that, for thicknesses exceeding 4 cm, the drying time is 4 days for each additional centimeter applied.

The application of wooden or resilient flooring must be done only after the screed reached a humidity rate lower than 2%. In case of underfloor heating system, the residual humidity should be equal to or less than 1,7%. In both cases the humidity values should be verified using a carbide hygrometer (UNI 11371). In case of underfloor heating system, it is recommended to switch it on only after the complete curing of the screed. For the BASEFORTE® MIXCEM PRONTO application on insulation thermal or acoustic products, it is necessary to adjust the thickness of the screed according to the compressibility and thickness of the insulation products.

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TECHNICAL DATA	PERFORMANCES
Classification	CT - C30 - F6
Inert diameter	3 mm
Maximum mixing time	3 min
Water in the mix	until texture similar to moist soil (approx. 8%)
Minimal application thickness	4 cm
Theoretical consumption	20 kg/m <sup>2</sup> per cm of thickness
Pot life	approx. 60 min
Mechanical resistance to flexion at 28 days	6 N/mm <sup>2</sup> (F6)
Mechanical resistance to compression at 28 days	30 N/mm <sup>2</sup> (C30)
Fire resistance	class A1 FL
Curing time at 20°C and 50% relative humidity	4 days for thicknesses of 4 cm
Time till walk-on	24 hrs
pH	basic
Waiting time for laying ceramic	24 hrs
Waiting time for laying natural stones	3 days*
Waiting time for laying parquet and resilient floors (2% R.H.)	6/8 days*
Thermal conductivity (EN 12667)	2.10 W/mK

\* *Waiting time at standard thermohygrometric conditions necessary to reach the suitable humidity for laying wooden floors, measuring this level with a carbide hygrometer.*

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