



## BASEFORTE® SF 400

Traditional screed, ready to use, for indoor and outdoor application, with normal grip and high workability.



### Product description

Dry premix based on inerts selected in an adequately reconstructed curve from 0 to 4 mm, hydraulic binders (dosage 250 kg/m<sup>3</sup>) and special additives.

### Fields of use

BASEFORTE® SF 400 is a screed suitable for the preparation of substrates, interior and exterior, for the subsequent installation of ceramic flooring, carpeting, wooden floors, linoleum, etc.

BASEFORTE® SF 400 is suitable for the preparation of substrates, both internal and external, suitable for the laying of ceramic floors, carpet, parquet, linoleum, for residential and tertiary use.

# BASEFORTE® SF 400

## Surface Preparation

The surfaces to be filled with BASEFORTE® SF 400 screed must be free from dust, efflorescence, oils and fats.

Before laying the screed, check the moisture of the surface in order not to affect the normal drying of the substrate itself.

After having carefully laid a sheet of polyethylene or PVC, fixed all along the walls and any pillars with tape in compressible material, you can go to the preparation of the dough to be used. For high thicknesses, this screed can be reinforced with electro-welded mesh 20x20 cm, taking care to keep it raised from the ground and, in particular, that it is covered by at least 1,5-2 cm of screed.

## Application

BASEFORTE® SF 400 screed can be mixed in concrete mixers (for the material supplied in bags) or in screw-mixer (for the material supplied in silo) until it reaches a texture similar to moist soil.

The material thus prepared should be applied in a uniform manner and, after it is compacted, even off with the aluminum level and finish with a float or a rotating disc machine.

## Supply and Storage

BASEFORTE® SF 400 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 interior and exterior surfaces will be made with the traditional hydraulic sand-binding screed BASEFORTE® SF 400 from Fornaci Calce Grigolin, dry premix based on selected inerts, hydraulic binders and special additives to improve workability; it does not require the addition of inert or binders or additives; to be mixed only with water until it reaches a texture similar to moist soil.

## Warnings

Do not mix BASEFORTE® SF 400 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® SF 400 when temperatures are below +5°C or above +30°C. Do not apply on frozen supports.

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® SF 400 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 - C20 - F5
Inert diameter	4 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	5 N/mm <sup>2</sup> (F5)
Mechanical resistance to compression at 28 days	20 N/mm <sup>2</sup> (C20)
Fire resistance	classe A1 FL
Time till walk-on	24 hrs
pH	basic
Thermal conductivity (tabulated value)	1,00 W/mK

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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.