Basecem Pronto

High performance pre-mixed screed with controlled shrinkage, medium-rapid drying. Suitable for radiating surfaces, for indoor and outdoor application.

EUROPEAN NORMATIVE CT-C 25-F5-A1FI EN 13813 OPERA QUALITY · CE EN 13813 · RAPID WALK OVER TIME · FOR HEATING SCREEDS · ELASTIC HIGH ELASTICITY · HIGH AND LOW THICKNESS

Fields of application:

- for adhering, separated, floating screeds with medium-rapid drying;
- for screeds where ceramic tiles can be installed after 24 hours only;
- for screeds where marbles and granites can be installed after 3 days only;
- for screeds where parquet and resilient materials can be installed after 7 days only;
- for heating and cooling screeds with incorporated coils without adding additives;
- for screeds with civil, commercial and industrial final use;
- for screeds in private, residential, public premises;
- for indoor and outdoor screeds;
- for rapid restoration of screeds following maintenance works;
- for filling ducts of new systems in the floor;
- professional use only.

Preparation:

For floating screeds: when making floating screeds, the base must be rigid and not subject to rising damp. Before spreading the **Basecem Pronto**, the base must be insulated with a vapour barrier, which is generally made of plastic sheeting. The sheets must overlap by at least 20 cm and the perimeter edges must be tumed up at the walls to a heigh of no less than the thickness of the screed. The barrier is also necessary if there is an existing waterproofing layer, and it has a separating function. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork etc., which must be as high as the screed is thick and at least 1 cm thick.
For adhesive screeds: the base must be sound, compact, have no parts coming away, and be free of dust, grease, oil, paint, wax and gypsum. The base must be dry and well established. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork, etc., which must be as high as the screed is thick and at least 1 cm thick. To mix the paste, we recommend you use a mechanical mixer with pump conveying system ("Turbosol"). Mix **Basecem Pronto** with the aggregate and clean water until you obtain a paste with an "earth-moist" consistency. Do not add other aggregates or hydraulic binders to **Basecem Pronto**.

Application:

For floating screeds with thicknesses ranging from 3.5 to 6 cm: on the insulation sheets prepared earlier, spread the mix in the same way as you would lay a standard cement screed, i.e. by compacting the mortar, applying a good amount of pressure during the levelling off and screeds board finishing phase. Place lightweight wire fencing in areas where there are pipelines or ducting. The final smoothing can be done with a float or a power trowel. Bear well in mind that the mixture remains workable for approx. 90 minutes; workability cannot be restored by adding water once the mix has started to set. Any breaks in the work should coincide with a door threshold or, if working on large surfaces, a clean cut-off point must be made. Plant iron rods (diameter = approx. 3 mm) at intervals of approximately 20 cm along the screed break. This will guarantee an effective joint with the screed when resuming work.
For adhesive screeds with thicknesses ranging from 1 to 3.5 cm: laying operations are the same as those outlined for floating screeds. In this case, plastic sheeting is not required to separate the layers, but anchor grout is required, which should be mixed as follows: 1 part (weight), **Malta Latex**, 1 part water, 2 parts **Basecem Pronto**. The grout must be poured and spread, using a trowel, over the surface of the base, immediately prior to compacting the **Basecem Pronto** mix (wet on wet). This ensures perfect anchorage between the screed you will be making and the base. Make sure the base is dry and there is no rising damp.

Quality and Environmental Standards:

Basecem Pronto undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

CE

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DOP-IT-01-004
BASECEM PRONTO
EN 13813:2004 – CT-C25-F5
Material for cement-based screeds (CT) for indoor and outdoor use in buildings.

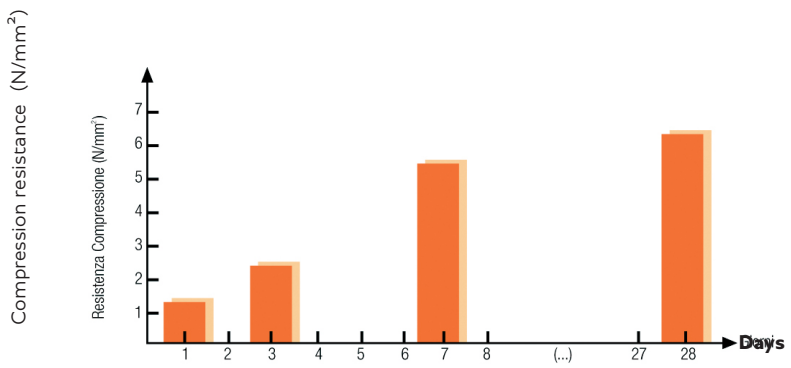
Fire reaction	A1fl
Release of corrosive substances	CT
Water permeability	NPD
Vapor permeability	NPD
Resistance to compression	>25 N/mm²
Flexural strength	>5 N/mm²
Durable over time	NPD
Sound insulation	NPD
Substrate absorption	NPD
Chemical resistance	NPD
Thermal resistance	NPD
Release of harmful substances	See safety sheets

Characteristics	Application methods	Consumption
Medium-rapid drying High workability High resistance For indoor and outdoor use Can be pumped Granulometry: 3 mm	Concrete mixer Mixer truck Pressure mixer Worm screw mixer Manually	Basecem Pronto 16/18 kg/m² every centimeter of screed thickness
		Storage
		Shelf life of 12 months in the original packages and in a dry place

Code	Product	Form and color	Packages	Pallet
411125	Basecem Pronto	Grey powder	25 kg	1350 kg

REV. 11/2023

Variations in compression resistance according to setting time

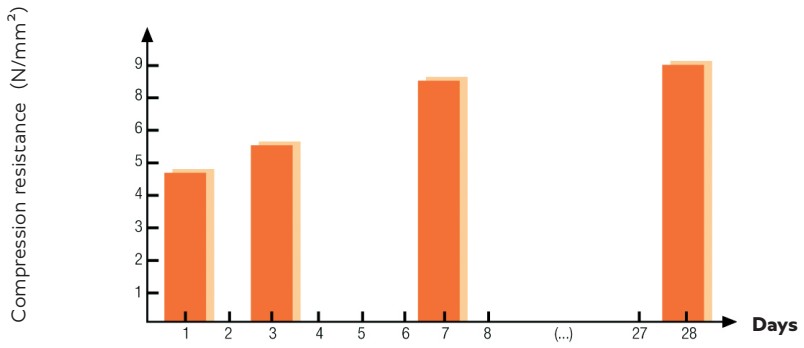


Risults obtained by mixing:
450 g **Basecem Pronto** +
175 g water +
1350 g standard sand

Data 1 = 1 gg - 27.30 N/mm²
Data 2 = 3 gg - 42.20 N/mm²
Data 3 = 7 gg - 43.30 N/mm²
Data 4 = 28 gg - 45.00 N/mm²

Measurement of data at 23°C / 50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Variations in bending resistance according to setting time:



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Measurement of data at 23°C / 50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Warning

• do not use on bases subject to rising damp;

• when making floating screeds, the base must always be insulated with a vapour barrier (e.g. plastic sheeting) first;

• if possible, use a pressure pump to mix and convey the mixture;

• the amount ofwater used isfundamental for the correct outcome of the screed. The mix must always have the so-called 'earth-moist' consistency. Too much or too little water will prevent the mix setting in the time envisaged and would jeopardise the excellent mechanical results that can be obtained with Basecem Pronto;

• the aggregates used are fundamental to ensure setting withing the times stated, as well as maximum mechanical;

• keeps bags away from sunlight and damp.

Technical and application specifications

Hazard classification as per Directive 99/45/EC: **irritant**

Pot ratio: **about 250 kg/m³ Basecem**
+ 1700 -1800 kg/m³ inert
+ 120 -140 kg/m³ water
(the amount of water may vary depending on the humidity of the inert material)

Specific weight of mixture: **2.15 g/cm³**

Pot life: **approx. 60 minutes**

Application temperature: **from +5°C to +35°C**

Waiting time before laying wood and resilient materials: **7 days**

Waiting time before laying ceramic tiles: **24 hours**

Waiting time before applying stone materials: **3 days**

Residual humidity after 7 days: **2.0 %**

Walk-over time: **approx. 12 hours**

Ready for use: **approx. 7 days**

FINAL PERFORMANCE SPECIFICATIONS

Compression resistance after 28 days: **>30 N/mm²**

Bending resistance after 28 days **> 6 N/mm²**

Resistance to solvents, oils, and alkalis: **excellent**

Room/ambient temperature: **da –30°C a +90°C**

Harmonised customs code: **38245090**

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.