

# Neocem Pronto

## fibrato

**READY-TO-USE, FIBRE-REINFORCED, NORMAL-SETTING, QUICK-DRYING (4 DAYS), MOIST SOIL CONSISTENCY SCREED FOR THE CONSTRUCTION OF CONTROLLED-SHRINKAGE SCREEDS WITH EXCELLENT MECHANICAL STRENGTH AND DIMENSIONAL STABILITY. SUITABLE FOR RADIANT SCREEDS. FOR INDOORS AND OUTDOORS.**



**TECHNICAL DATA SHEET - REV. 01/2022**

### DESCRIPTION

NEOCEM PRONTO FIBRATO is a ready-to-use pre-mixed mortar with normal setting times, compensated shrinkage, based on special binders and selected aggregates. Mixed with water without the addition of binders or aggregates, it turns into an easily workable product, characterised by setting times similar to those of traditional mortars, but with extremely fast drying times. The use of NEOCEM PRONTO FIBRATO makes it possible to obtain compact, resistant screeds, free of cracks due to hygrometric shrinkage, walkable after only 12 hours and dry within 4 days of application (residual moisture  $\leq 2\%$  to be verified with a carbide hygrometer). It allows ceramic floors to be laid after 24 hours and parquet or resilient flooring after only 4 days.

**Compliant with European Standard EN 13813 (Screeds and materials for screeds) for cementitious screeds (CT) of class C30-F6 A1<sub>fl</sub>.**

### FIELDS OF APPLICATION

NEOCEM PRONTO FIBRATO is used both indoors and outdoors for the construction of adherent screeds  $\geq 20$  mm thick and floating screeds  $\geq 40$  mm thick, both for new construction and renovation work. It is ideal for preparing screeds incorporating radiant systems, ensuring high efficiencies of the underfloor heating system. NEOCEM PRONTO FIBRATO can also be used for restoring or refurbishing old screeds when rapid commissioning is required.

### SUBSTRATE PREPARATION

NEOCEM PRONTO FIBRATO can be applied, in the appropriate thicknesses, on any type of substrate and on old ceramic floors, as long as they are consistent and not subject to rising damp. Substrates must be clean, solid, compact and free of crumbling parts, cement slurry, greasy substances and old paint. High temperatures can have a significant influence on the final hardening time, so in these conditions it may be useful to slightly moisten the substrate to promote proper hydration of the screed.

### APPLICATION

To prepare the mix, pour a 25 kg bag of NEOCEM PRONTO FIBRATO into a clean container or concrete mixer containing approximately 1.8 litres of clean water and mix for 4-5 minutes. The quantity of water must always be respected as an excess quantity would result in longer drying and workability times, while a lower quantity could compromise the final mechanical performance and the correct hydration of the binder. Level, compact and trowel the NEOCEM PRONTO FIBRATO mix to a "wet earth" consistency using the same laying techniques as for traditional cementitious screeds, until a closed, smooth surface with no water outcrop is obtained.

### **SELF-SUPPORTING FLOATING SLABS (thickness ≥ 40 mm)**

When preparing floating screeds, the NEOCEM PRONTO FIBRATO mixture must be laid on a separating layer consisting of polyethylene film, tar paper or other insulating material, so as to allow decoupling between the screed and the existing substrate. In the presence of rising damp, this separating layer must be made of impermeable materials capable of forming a vapour barrier. It is advisable to interpose insulating material (e.g. polystyrene, cork, etc.) approximately 1 cm thick along the perimeter edges and at any intermediate pillars before applying the mix.

The application of NEOCEM PRONTO FIBRATO is carried out by preparing bands to respect the levels, spreading the mix and compacting it carefully, making a final smooth with a trowel, closed and homogeneous. On water or electrical system crossings, which result in a significant decrease in thickness, incorporate a reinforcement mesh in the screed to reinforce the created layer. If the substrate is particularly uneven or has considerable variations in thickness, it is advisable to place the reinforcement mesh over the entire laying surface.

If the application of NEOCEM PRONTO FIBRATO is interrupted, it is necessary to insert a metal reinforcement in the screed cut perpendicularly to the substrate to ensure continuity and a perfect seal when the casting is resumed, avoiding cracks and bending.

### **COATING OR BONDING SCREEDS (thickness ≥ 20 mm)**

To make coating or bonding screeds, apply an anchoring grout to the suitably prepared substrate before applying the NEOCEM PRONTO FIBRATO mixture, using the following dosage:

- 300 g of LATEX RIPRESA, polymeric latex for bonding grouts;
- 300 g of water;
- 4 kg of NEOCEM PRONTO FIBRATO.

Apply the bonding grout in a continuous, even layer using a brush or spatula. Fresh on fresh, spread the NEOCEM PRONTO FIBRATO mixture following the same laying methods described above.

## **YIELD**

18-20 kg/m<sup>2</sup> per cm of thickness.

## **RECOMMENDATIONS**

- ◆ Mix NEOCEM PRONTO FIBRATO with the correct amount of water indicated; do not add excess water and do not add mixed mortar that has already started setting.
- ◆ Do not add binders, cement, lime, gypsum or aggregates.
- ◆ Never wet the surface of the installed screed.
- ◆ Smoothing carried out with insistent use of a rotating disc could result in a very compact surface, which, by limiting the evaporation of water, would lengthen the drying time.
- ◆ Do not install on substrates subject to rising damp but always place a vapour barrier in between.
- ◆ Bring the expansion joints in the screed back to the thickness of the substrate

## **PACKAGING**

NEOCEM PRONTO FIBRATO is available in 25 kg polyethylene coated paper bags on 1500 kg pallets. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability lasts at least 12 months.

## **SAFETY INSTRUCTIONS**

The product contains cement that, in contact with body perspiration, produces an irritant alkaline and sensitising reaction for the skin. Use suitable clothing, gloves and protective glasses.

Refer to the respective Safety Data Sheet for more information about how to use the product safely.

## **SPECIFICATIONS**

### **Self-supporting floating screeds**

The preparation of screed classified as CT-C30-F6 A1fl according to EN 13813 with ready-mixed, ready-to-use, normal-setting, quick-drying and shrinkage-compensated mineral mortar, such as **NEOCEM PRONTO FIBRATO** by Colmef Srl, guaranteed for the creation of screeds with high strength and dimensional stability. The screed will be made ≥ 40 mm thick, decoupled from the substrate by inserting polyethylene film, tar paper or other insulating material, observing a consumption of 18-20 kg/m<sup>2</sup> per cm of thickness.

### Coating or bonding screeds

The preparation of screed classified as CT-C30-F6 A1<sub>fl</sub> according to EN 13813 with ready-mixed, ready-to-use, normal-setting, quick-drying and shrinkage-compensated mineral mortar, such as **NEOCEM PRONTO FIBRATO** by Colmef Srl, guaranteed for the creation of screeds with high strength and dimensional stability. The screed will be made bonding to the suitably prepared substrate,  $\geq 20$  mm thick, by placing an anchoring grout in between made with the same NEOCEM PRONTO FIBRATO and mixed with water and polymer latex, such as LATEX RIPRESA by Colmef Srl.

### TECHNICAL DATA

<b>Compliant with Standard:</b>	<b>EN 13813</b>
<b>Class:</b>	<b>CT-C30-F6 A1<sub>fl</sub></b>
Appearance:	powder
Colour:	grey
Mixing ratio:	~ 1.8 litres of water per 25 kg of powder
Apparent specific weight (kg/m <sup>3</sup> ):	1900
Particle size (mm):	0-2.5
Minimum applicable thickness for floating screeds (cm):	$\geq 4$
Minimum applicable thickness for bonding screeds (cm):	$\geq 2$
Pot life:	40-60 min.
Walkability:	12 h
Tile installation:	24 h
Laying parquet:	4 days
Allowed application temperature:	from +5 °C to +35 °C

### FINAL PERFORMANCE according to EN 13813 Class CT-C30-F6 A1<sub>fl</sub>

	Results	Test method
Compressive strength at 28 days (N/mm <sup>2</sup> ):	> 30.0	EN 13892-2
Flexural strength at 28 days (N/mm <sup>2</sup> ):	> 6.0	EN 13892-2
Thermal conductivity coefficient (W/mK):	$\lambda = 1.20$	EN 12524
Residual moisture at 4 days (%):	$\leq 2$	
Residual moisture at 28 days (%):	$\leq 1$	
Reaction to fire:	Class A1 <sub>fl</sub>	EN 13501-1

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at [www.colmef.com](http://www.colmef.com).

**FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.**

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