

SUPER SABBIA E CEMENTO FIBRORINFORZATO

**Fibre-reinforced pre-dosed screed,
with medium/fast drying time**

It consists of: siliceous aggregate (0/4mm),
cement, fibres (compliant with UNI EN 197-1).

CE UNI EN 13813

Classification: CT C16 F5



THE ADVANTAGES

- It can be walked on after 24 hours (*)
- **IT DRIES IN 8 DAYS** (approximately) (*)
- Suitable for **FLOOR HEATING**

FIELDS OF APPLICATION

Always check that the product complies with the relevant specifications)

- "Adherent" screeds, for indoor and outdoor.
- "Floating" screeds (for acoustic insulation, with Certificate available on the website).
- Screeds with SOUND-INSULATION panels.
- Screeds for "fresh on fresh" ceramic tiles laying.
- Screeds for floors with floor heating.

SUPPORT PREPARATION

- Base: it must be clean and solid.
- Rising damp: to prevent it, lay a polythene sheet folded on the sides on the base (to separate the screed also from the perimeter walls).

PRODUCT PREPARATION

- Pour the whole package content (and not only a part) in an auger mixer (TURBOMALT), or in a cement mixer. It is also possible to mix it by hand (as long as the mix is homogeneous).
- **Mix for about 3 minutes.**
- **Use the water mixing quantity indicated on the table, but check the correct dosing during MIXING (a handful of material, lightly compressed, remains aggregated as "wet soil"), and during LAYING (the surface compacted and levelled with a trowel is uniform and compact).**



USE MODES

- Pump (if any): pneumatic ("wet soil").
- Laying start: within 1 hour from the formation of the guide strips.
- Laying time: 30-40 minutes from mixing.
- Thickness > 3 cm: lay the electro-welded mesh (Ø 2 type, galvanised 5 x 5 cm grid) at approximately half the thickness (to withdraw the screed), create expansion joints (max. every 15 sq.m and on the thresholds), place strips of material that can be compressed along the perimeter walls and pillars.
- Interruptions and cold joints: make vertical cuts, insert an electro-welded mesh on the joint.
- Compacting the applied material: compact uniformly.
- Concrete spreading and trowelling: the surface is more uniform and compact, but drying is slower.



THICKNESSES

ADHERENT SCREEDS	min. 1,5 cm - max 5 cm below 3 cm contact: assistenza.technica@grascalce.it
FLOATING SCREEDS	min. 4 cm - max 8 cm

WARNINGS

- Operating temperature: from + 5° C to + 35° C.
- Additions to the original compound: to be avoided.
- Recommended use: professional.

STOCKING AND STORING

- **It can be stored for up to 6 months** in closed and intact packages, in a fresh, dry and covered environment, protected against heavy rain, frost and direct sunlight.
- Do not expose to sunlight for more than 30 days (the package will deteriorate!).
- After removing the polyethylene protection (around and/or above the pallet) protect the packages from the rain.

TECHNICAL DATA

MIXING WATER	approx. 0.7 litres per package (min. 0.5-max. 0.9)(**)
(**) It is recommended to mix at least 3 packages at a time to distribute the inert humidity. Mixing water quantity depends on inert material humidity (which varies according to season and extraction mode). Start with the minimum water quantity and check the mix as you proceed, as indicated in "PRODUCT PREPARATION".	
DENSITY (hardened)	1.800 kg/m ³
RESISTANCE TO COMPRESSION (after 28 days)	16 N/mm ² (production average value)
FLEXURAL STRENGTH	5 N/mm ²
THERMAL CONDUCTIVITY	$\lambda = 0,99$ W/mK
CAN BE WALKED ON (*)	min. 24 ore
DRYING TIMES (*)	
ceramic floor tiles	min. 24-36 ore
wooden, vinyl, rubber, textile, terracotta, natural stone floors	min. 8 giorni
RESIDUAL HUMIDITY AFTER 8 DAYS (*)	circa 2,5 %
(*) The indicated values are obtained with: 5 cm screeds separated from the base and walls (with folded polyethylene sheets), with a correct water quantity, without concrete spreading or the use of a mechanical trowel, environment with temperature min. 20°C and max. 65-70% humidity (aired or dehumidified rooms).	
CONSUMPTION	approx. 18 kg/m² per each cm of thickness
PACKAGE	25 kg polyethylene packages

HAZARDOUS SUBSTANCES

Asbestos (Italian Ministerial Decree 14/05/96 Art. 4 Annex 4): absent

Water-soluble chromium VI (Italian Ministerial Decree 10/05/04): < 2 ppm

Technical data are mean values got from analysis done on several samples of products.

EXAMPLES OF APPLICATION



SUPER SABBIA E CEMENTO mix with Turbomalt Evolution.



SUPER SABBIA E CEMENTO laying for heated floors with radiant panels.

The indications and warnings listed in this sheet are the result of our best experience, and product performance refers to lab tests performed in standardised conditions. All this information is to be considered purely indicative as real construction site and product application conditions can lead to significantly different results and effects. Therefore, the user must always check, also with preliminary tests, the suitability of the product for the envisaged use, taking full responsibility for its use. GRAS CALCE srl reserves the right to make technical changes without prior notification. Check on GRAS CALCE srl website that the sheet review is the latest in force.