

Torggler

FAST SCREED

Pre-mixed, fast setting and hardening cementitious mortar class CT C30 F6 according to EN 13813, for floating or adherent screeds. For internal and external use.

- Controlled shrinkage
- Can be applied by hand or using a mortar pump
- Rapid application, drying and development of mechanical resistances
- Easy to work with and can be walked on quickly
- Ideal for heating floor realizations

APPLICATION RANGE

- For creation of thin bonded screeds
- For creation of unbonded screeds
- For creation of heating screeds

TYPES OF SUBSTRATES

- New or old concrete slabs
- Light substrates and/or separating layers
- Pre-existing cement screeds
- Acoustic-thermal insulating systems, panels and barriers



FAST SETTING



THICKNESS
25-80 MM



HEATING FLOORS

MALTA CEMENTIZIA PREMISCELATA, AD ASCIUGATURA E INDURIMENTO SEMIRAPIDI, PER LA REALIZZAZIONE DI MASSETTI GALLEGGIANTI O ADERENTI, IDONEA PER PAVIMENTI RISCALDANTI.
Usa interno ed esterno | Applicabile a mano e a macchina

IN COMPLIANCE WITH
CT-C30-F6
EN 13813

VORBEFERTIGTER, MITTELSCHNELL TROCKNENDER UND AUSHÄRTENDER ZEMENTMÖRTEL FÜR VERBUND- UND SCHWIMMENDE ESTRICHE. GEEIGNET ALS HEIZESTRICH.
Für den Innen- und Außenbereich | Maschinell und manuell anwendbar

PRE-MIXED, FAST SETTING AND HARDENING CEMENTITIOUS MORTAR FOR FLOATING OR ADHERENT SCREEDS. IDEAL FOR HEATING FLOORS.
Internal and external use | Manual and machine application

MORTIER À BASE DE CIMENT, PRÉ-MÉLANGÉ, À SÉCHAGE ET DURCISSEMENT SEMI-RAPIDES, POUR LA RÉALISATION DE CHAPES FLOTTANTES OU ADHÉRENTES. IDÉAL POUR LES SOLS CHAUFFANTS.
Utilisation en intérieur et en extérieur | Applicabile à la main et à la machine

IN COMPLIANCE WITH

CT-C30-F6

EN 13813

TYPES OF MATERIAL DUE TO BE APPLIED

- Ceramic
- Wood or parquet
- PVC, linoleum or carpets

ATTAINABLE THICKNESSES

- From 25 to 40 mm for screeds bonded to the base
- From 40 to 80 mm for unbonded screeds
- From 50 to 80 mm for screeds floating on a layer of acoustic/thermal insulation
- \geq 40 mm above underfloor heating coils
- Note: **Fast Screed** can be used in a thickness of up to 30 cm to fill cavities

FEATURES

Fast Screed is pre-mixed cementitious mortar consisting of hydraulic binders, additives and selected aggregates, featuring semi-rapid drying and setting, class CT C30 F6 rated according to EN 13813. Apply at a damp soil consistency and can be used for new constructions and for repair work, to make screeds to prepare, level and/or construct flooring inclinations before laying ceramic tiles and/or marble, natural stone and artificial stone, wood and parquets, PVC, linoleum, resin flooring, water-proofing system, etc.

ATTENTION

Do not use the product in the following cases:

- at temperatures lower than +5 °C or higher than +30 °C
- with less water than indicated because this would jeopardise the workability of the material and the quality of the surface; with more water to prevent shrinkage, cracks, impaired resistance and lengthening of setting times
- if the product has been mixed more than one hour before intended use
- if it has been mixed with other binders, aggregates and/or additives
- on insulating/separating systems not specifically designed for flooring and/or that may result in compressing and/or reducing the total thickness by over 3 mm

CONSUMPTION

About 18 kg/m² of product is required for a 1 cm thick screed.

STORAGE

Fast Screed must be stored in a dry, protected place. Unopened in its original bags, the product can be stored for at least 6 months (period of time water-soluble CrVI content remains below 2 ppm).

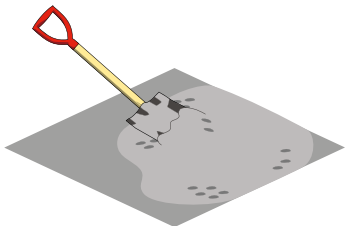
PACKAGING

25 kg valve bags (pallets are made up of 54 bags weighing 1,350 kg)

INSTRUCTIONS FOR USE

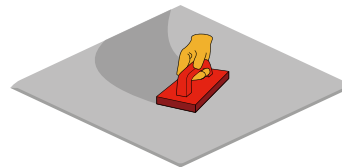
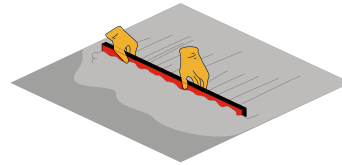
PREPARATION

The base must be dry with all dust and grime removed. An anchor grout must be applied to the base for thin bonded screeds (from 25 to 40 mm). This must be made using **Fast Screed** mixed to a fluid consistency with a combination of water and **Neoplast Latex** in a ratio of 1:1 which must then be applied in an even layer (approximately 2-3 mm thick) using a flat brush, a scrubbing brush or a trowel. To guarantee a perfect bond, freshly-mixed **Fast Screed** must be applied to freshly-applied grout. Alternatively, for flooring that will be subjected to high mechanical stress, use an anchoring base made from **Epox Ripresa**, an epoxy bi-component adhesive for monolithic construction joints, diluted in water at a 1:1 ratio. The anchoring layer made from **Epox Ripresa** evenly applied all over the surface is effective in terms of stopping vapour and creating a barrier from it. Before laying unbonded screeds, apply a sheet of polyethylene to separate them from the base. If rising damp is an issue, suitable damp-proof membranes/sheets must be applied to create a vapour barrier. Such membranes must have a nominal Sd-value equal to or exceeding 1,500 m. Apply an approx. 1-cm thick separating strip along the perimeter and around any vertical elements on the flooring.



MIXING THE PRODUCT

Mix **Fast Screed** with a suitable quantity of water, approximately 6.5%, i.e. 1.6 litre for each 25 kg bag, using a suitable mixing pump, a concrete mixer, a planetary mixer and/or, if the quantity is small, by hand. The product must be used within one hour from mixing.



APPLICATION

Screed the floor at the desired height then apply the mixture, compacting it and, lastly, floating it to obtain the best surface finish. A galvanized metal mesh must be applied for particularly thin screeds and/or for screeds over pipe/cable runs or technical systems. As well as edge joints, it is advisable to perform some interruptions/joints to divide the screed into modules, each of which is usually about 20/25 m² in size. Each module must never be larger than 40 m² and/or each side must not be longer than 8 metres.

CLEANING

Before the product sets, the equipment used to apply the screed can be washed with water. Only mechanical cleaning will be effective after the product has set.

TECHNICAL REQUIREMENTS

After applying the screed, protect it from excessively high or low temperatures, from direct sunlight and/or moisture or rain for at least 24 hours. In the presence of underfloor heating, it can be turned on 72 hours (3 days) after having applied the screed and, according to the protocol, before laying the flooring. Under normal conditions (20°C and 65% R.H.), ceramic tiles can be laid after 48 hours (2 days) while the following other types of flooring can be laid after 96 hours (4 days): damp-proofing flooring; marble, natural and man-made stone tiles; wood and parquet; PVC and linoleum flooring; carpets, etc. Nevertheless, before laying any flooring, accurately assess the residual moisture in the screed with a carbide hygrometer.

TECHNICAL SPECIFICATIONS

Consistency:	powder
Granulometry:	0 - 4 mm
Mixing water:	6,5 % i.e. approx. 1,6 litres per 25 kg bag
Application temperature:	from +5 °C to +30 °C
Temperature of the base:	from +5 °C to +25 °C
Yield of wet mortar:	53 litres for 100 kg product
Consumption:	approx. 18 kg/m ² /cm
Apparent density:	1,800 kg/m ³
Density – after drying at 105°C:	approx. 2,150 kg/m ³
Vapour permeability μ (EN 1015-19):	approx. 30
Heat conductivity $\lambda_{10,dry}$:	1,4 W/m*K
Specific heat:	approx. 1 kJ/kg*K
Specific heat capacity:	approx. 2,070 kJ/m ³ *K
Compressive strength (1 day):	approx. 20 MPa
Compressive strength (4 days):	approx. 24 MPa
Compressive strength (28 days):	≥ 30 MPa
Flexural strength (28 days):	≥ 6 MPa
Surface bonding strength:	≥ 1,5 MPa
Can be walked on after:	1 day
Flooring can be laid after:	approx. 2 days (6 cm) with flooring permeable to vapour
Flooring can be laid after:	approx. 4 days (6 cm) with flooring impermeable to vapour
Can be heated after:	approx. 3 days
Permissible residual moisture:	< 3 % [for flooring permeable to vapour and all tiles] < 2 % [flooring impermeable to vapour such as PVC, parquet, etc.] < 1.8 % [screed with incorporated heating]
Reaction to fire (EN 13501-1):	A1 _{fl}
Screeds and materials for screeds (EN 13813):	CT-C30-F6

CERTIFICATIONS

Product classified as type CT-C30-F6 material for indoor screeds in compliance with EN 13813. Declarations of Performance (DoP) are available on request.

Legend of EN 13813 classification

CT = cement screed

C = compressive strength

F = flexural strength

SPECIFICATION CLAUSE

Application of ready-mixed, semi-rapid setting and drying cement screed, classified as CT C30 F6 in compliance with EN 13813, commercial name **Fast Screed** by Torggler, to make bonded and unbonded screeds. Approximate consumption: kg/m².

To the best of our knowledge the information given in this document is true and accurate. However, since we have no direct control over the actual conditions of use, our recommendations and suggestions are provided as a guide only and do not constitute a guarantee. If you have any doubts we recommend that you test the product before use or contact our specialists for further advice. Torggler Chimica Spa reserves the right to change, substitute or delete items or otherwise make variations to the product data in this document without prior notice. It is possible therefore that the information given in this document is no longer valid. This document substitutes the previous version. Version 12.2017.