FLR.0054

FLOOR TENAX

Cement conglomerate for tenacious structural slabs of small thickness

Dosage

20 kg /m²/cm

Packaging

- Bag 25 kg

Application

- Finishing trowel
- Pump
- Spatula
- Straight edge

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Family	Type
Floortech	**Thin resistant screeds and self-leveling screeds**
Product Lines	**Functional Cathegories**
• **Building**	• **Construction of structural subbase screeds**
• **Infratech**	• **Construction of subbase and self-leveling screeds**
Components	**Appearance**
Single-component	**Powder**

Certifications and legislations

EN 13813
Screed material and floor screeds - Screed material - Properties and requirements

General **description**

Composite system, based on high-strength cement binders, super-lubricant agents, superpozzolanic reactive fillers, selected siliceous aggregates, polypropylene and steel fibres, for the construction of tenacious structural cement blocks with limited thickness (1-4 cm).

General **features**

The screeds made with FLOOR TENAX are highly resistant:
- to tensile and bending stress
- to dynamic stresses
- to thermal stresses
- to shock and wear and tear
- to fatigue
- to post-break load

Fields of **application**

Manufacture of floorings, composite cement patch layers, of limited thickness (in the range 10-40 mm) characterised by high performance in terms of deformation, resistance and anti-cracking capabilities, for critical areas, reconstructions and thin adaptations thin, reconstruction of slopes, etc.

Available **colours**

• Gray

Basic **features**

Max. recommended thickness:
20 mm

Min. recommended thickness:
2 mm

Temperature of use:
+5 / +30 °C

Technical specifications

Bonding force (UNI EN 1015-12):	0.95 N/mm²
Capillary absorption (UNI EN 13057):	0.42 kg•h^0.5/m²
Compressive strength (UNI EN 1015-11):	41 N/mm²
Density (UNI EN 1015-6):	1860 kg/m³
Flexural strength (UNI EN 1015-11):	4.5 N/mm²
Static elastic modulus (EN 13412):	24000 N/mm²
Wear resistance (UNI EN 13892-3):	6.2 cm³/50cm²

Tools **cleansing**

• Water

Applicable on

• Concrete
• Wood

Substrate **preparation**

Application surfaces should be clean, free of soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition "saturated with dry surface".

Instructions for use

TENAX FLOOR can be laid out, supported and floated on a suitable subbase only with appropriate measures to ensure the structural adhesion and anchoring to the support itself. The methods of anchorage suggested include: laying with a special epoxy resin for structural construction joints (SYNTECH RGS or SYNTECH PAVIWATER T68); or positioning a galvanized steel net with 5x5 cm mesh and 2 mm wire, which is spaced from the support plane of half the expected thickness of FLOOR TENAX and anchored to the same by "L"-shaped connectors fixed in holes resinated with PROFIX or fixed by nailing with "nail guns".

Insert about 2/3 of the mixing water into the mixer. Gradually add FLOOR TENAX and the water still needed, by mixing until a homogeneous mixture of the desired consistency and free of lumps is obtained. Support the product at the reference height and float it until a smooth and planar surface is obtained,preparing the joints beforehand where necessary.

To improve the deformation capability of the composite conglomerate, particularly necessary in the presence of thin shims and extensive surfaces, you should always add about 250 g of BOND HG per 25 kg bag.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.

Warnings, Precautions and **Ecology**

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

To verify the appropriateness of the product on the basis of the specific requirements it is always essential to carry out preliminary tests.

It is recommended to treat carefully the curing of the shotcrete for a few days, through continuous flushing of water or covering the same with a length of cloth made of polyethylene (winter period) or awning in non-woven fabric impregnated with water (spring/summer).

FLOOR TENAX is produced/distributed by

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