

Technical sheet

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BT-Estrih

Factory-prepared cement screed

**Field of application**

BT-Estrih is intended for indoor use for the production of bonded and floating screeds. It is also used as a foundation in residential premises, basements, and garages.

Characteristics

- good adhesion to the substrate
- easy workability

Composition

Gray portland cement and fillers.

Technical data

Type of packaging	Paper bag 25 kg	
Aggregate condition	Tight	
Color	Gray	
Compressive strength (after 28 days)	14,10 N/mm ²	BAS EN 13892-2:2005
Flexural strength (after 28 days)	3,80 N/mm ²	

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Volumetric mass in bulk	~ 1700 kg/m ³	
Volumetric mass in a compacted state	~ 2190 kg/m ³	
Granulometric analysis	0-4 mm	BAS EN 1015-1:2004
Thermal conductivity λ (BAS EN 1745:2021)	0,61 W/m·K	
Class (BAS EN 13813:2005)	CT C12 F3	
Consumption	20-25 kg/m ²	
Note on consumption	The consumption values are indicative and very much depend on the type and previous preparation of the substrate as well as the installation technique.	

Processing conditions

Application temperature from 5°C to 30°C.

Preparation of the substrate

The substrate must be solid, dry, free of greasy stains and other impurities that can prevent adhesion.

Preparation and installation of materials

The product is prepared by adding 11-16% water per kilogram of BT-Screed. Mix until complete homogenization. By adding too much water, strength is reduced, cracks occur and drying is prolonged. The prepared mass must be applied well and evenly, and must be installed within a time limit of one hour. In order to achieve fast and favorable hardening, it is necessary to provide intensive ventilation after the end of the protection time. The drying effect will be increased by heating the rooms. Unfavorable conditions (e.g. external climatic influences such as: increased air humidity, long periods of rain, frost, etc.) as well as large screed thicknesses can significantly extend the drying time. Walkability and loads: Walkable after 3 days, load-bearing after 28 days.

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Cleaning tools

Immediately after completion of the work, hand tools should be washed with clean water. Hardened residues of liquid material should be disposed of as construction waste in accordance with legal regulations.

Handling of waste

Prevent uncontrolled discharge of material into drains and watercourses. Do not mix hardened residues with municipal waste, but dispose of them as construction waste in accordance with applicable local/regional legal provisions.

Protection at work

Follow general instructions and regulations on occupational safety during construction work.
When performing work, wear adequate work clothes that ensure that the material does not come into contact with the skin.
Hand protection: protective impermeable gloves.
Eye protection: safety glasses with side protection.
For more information, see the product safety data sheet.

Storage and transport conditions

Store in dry and well-ventilated areas. Keep bags tightly closed in a horizontal position, on pallets, protected from moisture. Do not expose to high temperatures (>25°C) or low temperatures (<0°C).
During transport, the product must be secured so that it does not move on the pallet and is not exposed to direct sunlight and moisture.

Expiry date

Originally sealed and stored as recommended, the product has a shelf life of at least 12 months.

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Quality control

Testing and monitoring of product quality is carried out daily in the internal BT laboratory and periodically in authorized institutes and laboratories.

General notes

The technical instructions are based on our previous experience, with the aim of achieving optimal results when using the product.

The above data in themselves do not create any legal obligation and do not relieve the buyer of the responsibility to perform a prior test of the suitability of the material for a specific purpose.

If the contractor notices or suspects any functional or aesthetic defect in the product during the installation of the purchased material, he is obliged, in accordance with construction practice, to stop further installation of the product in order to minimize any potential damage. He is also obliged to immediately file a complaint with the manufacturer, who will process the complaint as soon as possible.

Damage caused by incorrect product selection, improper use (failure to follow the instructions specified in this technical sheet) or unprofessional work cannot be the subject of a complaint.

This data sheet supersedes all previous editions. We reserve the right to any subsequent changes and additions.