

weberfloor fastcem

QUICK-DRYING HYDRAULIC BINDER FOR MAKING SCREEDS

Area of application

weberfloor fastcem is intended for indoor and outdoor use, on pre-prepared surfaces. The product is not a final layer and it is necessary to provide adequate protection (ceramic tiles, laminate, parquet, wall-to-wall carpeting, PVC floor, linoleum, etc.).

It is suitable for:

- Making a screed for laying wooden and elastic floor coverings, drying time 4 days, walkability after 12 hours*
- Making a screed for laying ceramic tiles, drying time 24 hours*
- Making a screed for laying natural stone, drying time 48 hours*
- Repair of existing screed in the floor*
- Making a screed as an integral part of the floor heating system*

weberfloor fastcem is a quick-drying, hydraulic binder intended for the production of bonded, unbonded, floating screeds and screeds with floor heating. It is characterized by excellent strength and several times faster drying compared to classic screeds.

Product benefits:

- Quick-drying hydraulic binder
- For layer thicknesses from 1 cm to 6 cm
- For all types of cement screeds
- For indoor and outdoor use
- Without shrinkage

Product classification:

CT-C25-F5 (EN 13813:2002)



Surface preparation

Manufacturing of bonded screed (thickness from 10 mm to 35 mm) - The surface whereon the product is applied must be clean, firm, dry, load-bearing and without parts falling off. All materials that reduce adhesion (paint residue, grease, dust, etc.) should be fully removed. Surface tensile strength of the surface measured by "pull off" test must be $> 1.0 \text{ N/mm}^2$. All possible cracks and irregularities must be repaired beforehand.

Concrete surfaces (minimum 28 days with residual moisture $\leq 2\%$) and old cement screeds must be mechanically roughened and cleaned of dust, and then coated with a suitable primer. Absorbent and old surfaces should be covered with primer weberprim deep, at least six hours before the start of works, and non-absorbent surfaces with primer weberprim 813, at least two hours prior to the start of works (at the temperature of 20°C , relative humidity of up to 65%).

Manufacturing of loose screed (thickness from 35 mm to 60 mm) - Before installing the dividing foil, it is necessary to prepare the surface. This includes cleaning, degreasing, filling holes, repairing cracks, and the like, so that the placed foil is on as flat and load-bearing a surface as possible. The joints of the foil must be sealed so that the material does not reach the surface when making the screed. It is necessary to waterproof the surfaces with the presence of moisture, and only after the drying of the waterproofing proceed to making the screed. It is recommended that the expansion joints of the building be followed with the screed.

Production of a floating screed (thickness minimum 55 mm) - The insulation layer, expansion joints and dividing strips to the walls must be placed so that during the manufacturing of the screed they do not move.

All possible cracks and irregularities must be repaired before installing the thermal and sound insulation layer. The insulation layer must be of sufficient load-bearing capacity (compressive

strength) in order to prevent bending and cracking of the screed (e.g. XPS, stone wool for floors, thermosilent, etc.).

When making a system with floor heating, the pipes for floor heating must be covered with a minimum of 25 mm of screed, preferably 35 mm. Additional reinforcement in the layer above the heating pipe with Vertex G120 reinforcing mesh is recommended. Wait for 4 days at optimum temperature conditions before putting the floor heating into operation.

Product preparation and installation

- Recommended mixing ratio for preparing 1m^3 screed:

weberfloor fastcem	200 - 250 kg/m^3
aggregate of grit 0 - 8 mm	1650 - 1800 kg/m^3
pure water	10 - 130 kg/m^3
- Recommended mixing ratio using 20 kg of weberfloor fastcem:

weberfloor fastcem	20 kg
aggregate of grit 0 - 8 mm	140 - 160 kg
pure water	10 - 12 kg
- Preparation of screed: with an electric mixer, carefully stir weberfloor fastcem with 0-8 mm grit aggregate and water in the above ratio for at least 5 minutes.
- The material prepared in this way needs to be installed in the same way as the classic screed, in the following manner:
 - before making the binding screed, thoroughly dust off and prime the surface
 - before making the screed, place a separating foil (made of polyethylene or similar material) on the separating layer in order to separate the screed from the surface.
 - around the perimeter of the room, it is recommended to place a 1 cm thick dividing strip (felt, cork, polystyrene, etc.).
 - distribute, compact and level the material.

- during the final processing/smoothing of the surface, there must be no separation of water. Smoothing may be done manually or mechanically.
- install the screed within a period of up to 1 hour from mixing..

* During installation and drying the temperature of the surface and air must be between 5°C and 30°C. If the weather conditions are not in accordance with the prescribed, it is necessary to suspend the work procedure and wait for the appropriate conditions to be obtained. Drying may take longer or shorter than stated, depending on temperature, air humidity, coating thickness, etc.

The manufacturer recommends application on small, test surfaces to make sure the product/surface are properly prepared and that appropriate conditions for use and installation have been provided. If not, please stop the work and contact the Saint-Gobain građevinski proizvodi d.o.o. Beograd company representative.

The company shall not be responsible for incorrect execution of works with the stated material as well as use of material for the purpose not stated in product description. Complaints submitted after the completion of execution of shall not be accepted.

Tools

For mixing: mortar mixer, concrete mixer, pump mixer, mixer truck.
For installation: battens, trowel
For application: trowel, leveler and hedgehog roller.

Product consumption

Approximately 1.5 kg/m² /mm depending on type and features of the surface.

Keeping, storage and transport

Product must be stored in original, undamaged packaging, in dry and closed space, protected from elements.

The product is not hazardous for transport in the sense of all national and international transport regulations. During transport, the product must be protected from the elements.

Product safety

Hazardous compound ingredients: Portland cement, gray 75-99%



Danger

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Wear protective gloves, protective clothing and eye protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or a doctor. Dispose of contents and container in accordance with RS regulation. Content of soluble chrome Cr (VI) in the product is less than 0.0002% calculated at total dry weight of the cement.

Technical characteristics of the product

Product color: gray.

Installation time about 60 minutes depending on weather conditions.

Packaging: sack 20 kg, 1200 kg on the pallet.

Expiration date: 12 months from the manufacturing date pressed on the packaging.

Product drying time:

Passable	After 12 hours
Before installing ceramic tiles	24 hours
Before installing stone cladding	2 days
Before installing elastic substrates	4 days
Before installing wooden cladding	7 days
Residual moisture after 4 days	< 2 %

MECHANICAL RESISTANCE EN 13892 WITH WEBERFLOOR FASTCEM (20KG), DRY AGGREGATE 0 - 8 MM (160 KG) AND WATER (11 KG)

TIME (DAYS)	MECHANICAL RESISTANCE (N/mm ²)	
	FIRMNESS UNDER PRESSURE	BENDING FIRMNESS
4	> 20	> 4
7	> 23	> 4
28	> 25	> 5

Detailed information on product, additional documentation and safety data sheet are available on the official webpage www.rs.weber.

Cleaning

Residue of fresh product can be cleaned from the tools and surfaces with water. Dry product may be removed mechanically.

Environment

Unused product and empty packaging may not be disposed outside of waste management locations.

Product limitations

- Manual preparation/mixing of materials is not recommended.
- Do not add materials such as cement, lime or plaster.
- Do not leave the weberfloor fastcem mixed with the aggregate, but immediately add an adequate amount of pure water.
- Do not mix weberfloor fastcem with fine sand, use aggregate of 0 to 8 mm grit (for screeds from 5 to 6 cm thick).
- Do not mix weberfloor fastcem with an excessive amount of water.
- Do not add water after the material has started to set.

Disposal method

Disposal of content and packaging in line with local regulations. Dispose the packaging and unused material separately. Do not allow penetration into the sewerage system. Do not dispose together with municipal waste.

Country of origin and product manufacturer

Country of origin: Republic of Serbia

Manufacturer: Saint-Gobain građevinski proizvodi d.o.o. Beograd, 115d Bulevar Mihajla Pupina Street, 5th floor, 11070 Novi Beograd, Republic of Serbia.
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Technical information stated herein as well as recommendations are based on our knowledge and experience in cases when the product is properly stored, used, transported and when handled in regular conditions. The buyer, or the user of the product is advised to test the product, if it is suitable for use for intended purpose. Considering the fact, we do not have influence on the circumstances of product use and handling, we shall not be liable for consequences occurring from irregular use. The buyer, or the user of the product shall be liable in case the product is kept, transported, installed and used contrary to instructions, purpose and properties and information on product safety, as well as after stated expiration date for product use. Our team of experienced experts provides advice in phases of planning and application of our products. Visit to the construction site and demonstration of application of our products may be organized at request. Contact our technical team and find out more on our products on the website www.saint-gobain.rs.