



FLOWPLUS®

Flowplus Compound Mix 6

Article Number: 04.725

CHARACTERISTIC

Product description

Flowplus Compound Mix 6 is a specially formulated ready-mixed dry mortar for producing cementitious flowing screed with reduced shrinkage properties. It already contains all the necessary ingredients and does not require the addition of any further additives, admixtures or aggregates.

Field of application

Flowplus Compound Mix 6 is used as a ready-mixed dry mortar for the production of cementitious flowing screed. It is suitable for use in two-chamber mobile mixing trucks, screw pumps or for mixing in suitable mixing vessels.

- Production of bonded screeds and floating screeds.
- Production of heated screeds.
- Suitable for damp rooms and outdoor areas

Properties

Flowplus Compound Mix 6 ready-mixed dry mortar is mixed to a flowable consistency. The product is characterised by a stable, homogeneous flowing screed mixture. It also offers ideal pumping and processing properties as well as low-shrinkage hardening. The cementitious flowing screed complies with strength class CT-C30-F6 after 28 days.

Characteristic data

raw material base:	cement
Colour:	gray
Form:	powder granulate
pH value:	alkaline
Density (at 20 °C):	1,000 – 1,400 kg/m ³ (bulk density loose)
shelf life:	6 months
storage:	store in a dry place
delivery form:	Packaged in 25 kg paper sacks with PE lining

TECHNICAL DATA

Mixing model¹⁾

Recipe per m ³		unit
Flowplus Compound Mix 6	25	kg
Ready-mixed dry mortar 0/4		
total added water	ca. 3.75	litre
Flow index according to Hägermann	ca. 230	mm

1) This ideal screed mortar can only be produced in accordance with the processing instructions listed below.

Strength and shrinkage²⁾

Criterion	unit	
strength class	CT-C30-F6	
shrinkage	ca. 0.5	mm/m

2) The strength and shrinkage depend on the total amount of water added. They must be determined by means of a suitability test before Flowplus Compound Mix 5 is used for the first time.



Processing

1. Filling and dosing:

Flowplus Compound Mix 6 ready-mixed dry mortar is delivered in 25 kg paper bags with PE lining and filled into a mixing device. The standard dosage for 1 m³ of fresh mortar is approx. 1,930 kg of ready-mixed dry mortar.

2. Mix:

The amount of water is adjusted so that the material achieves a spreadability of 22–24 cm according to Hägermann. This usually requires adding 3.5–4.0 litres of water per 25 kg bag. Mixing is continuous and homogeneous, ensuring consistent quality of the flowing screed.

3. Extraction and installation:

After mixing, the fresh mortar is transported directly to the installation site via the integrated pump of the mobile mixing centre or manually. The screed can be installed quickly and efficiently, enabling high daily output rates. The processing is the same as for any cementitious flowing screed. The mortar must be completely deaerated. Deaeration and levelling are carried out by buffing in a cross pattern: the first buffing pass is carried out at depth, the second buffing pass close to the surface. The processing time is approx. 60 minutes.

PROCESSING INFORMATION

Safety

- When using our products, general occupational hygiene must be observed.
- Flowplus Compound Mix 6 is chloride-free, solvent-free and harmless in terms of building biology.
- When stored correctly, our products do not decompose. Therefore, stability and reactivity are not affected for up to 6 months when stored properly.
- For further information on handling Flowplus Compound Mix 6, please refer to our safety data sheets.

SPECIAL INFORMATION

Standards and test regulations

- DIN EN 13813: Screed mortar and screed compounds
- DIN 18560: Screeds in construction, parts 1, 2, 3 and 4

GENERAL INFORMATION

Comment

The raw materials processed by us and products produced by us are subject to stringent factory inspections. No additives from other manufacturers may be used when this product is used. We therefore point out that our products and the process therefore have to be tested for their suitability for the building site conditions to be expected. The quality of the concrete depends substantially on the quality of sand, aggregates, filler and cement, mixing ratios and processing in accordance with the recognized rules of concrete technology. Since we do not have any control over the building site conditions or the construction work, no statutory liability can be derived from this leaflet. With the publication of this leaflet all previous versions lose their validity.

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