weber 6000 Rapid Screed

- Floor screed for bathroom renovations
- Thick filling up to 250 mm
- Quick-drying in thick layers, waterproofing already in 3 h.
- Low alkaline
- Certified EPD environmental product description
- The product is a declared item in the Supply Chain Declaration Portal (SCDP) for New Buildings generation 4.

ABOUT THIS PRODUCT

Hand-spread, fast-setting and drying cementitious floor screed. Layer thickness 10-250 mm.

AREA OF USE

Interior floor casting and thick filling work. Floor screed can also be used in floating reinforced structures.

SUBSTRATE

Suitable substrates are concrete, lightweight concrete and gypsum board. The substrate tensile strength must be > 0.5 MPa. A floating floor is done for substrates which do not provide sufficient adhesion (less than 0.5 MPa), such as weak concrete, wood, bitumen insulation or insulation layer. Floating layers are made of reinforced steel mesh and expansion joints are added if necessary. There are separate instructions for treating the substrate, see weber MD 16 Primer product datasheet.

PRODUCT SPECIFICATION

Material consumption	approx. 1.8 kg/m²/1 mm layer
Recommended layer thickness	10-250 mm
Layer thickness in floating constructions	30-250 mm
Recommended water content	9% (1.8 l/20 kg)
Application temperature	+10...+25 °C. Optimal +15...+20 °C.
Curing time for covering	15 h (+23 °C, 50% RH), when tiled.
Curing time for pedestrian traffic	3 h (+23 °C, 50% RH), when it can be levelled over or waterproofed.
Binder	Special cement mixture
Filler	Natural sand, grain size < 2.0 mm
Additive	Admixtures to improve workability of the mass. Casein-free.
Adhesion strength 28 days	> 1.0 MPa (adhesion to concrete K30, EN 13813)
Compressive strength class	C 30 (EN 13813)
Flexural strength class	F 5 (EN 13813)
Shrinkage 28 days	< 0.4 mm/m (+23 °C, 50% RH)
Reaction to fire (for exposive situations)	$A2_{FL}$-s1 (EN 13501-1)
Fire resistance classification	EI 15 requirements are met with a layer thickness of 25 mm and EI 30 requirements with a layer thickness of 35 mm.
Covering class (against ignition)	Can be used as a floor covering (protection against ignition) that replaces the $K_1$10 cover when the layer thickness is at least 25 mm and that replaces the $K_2$30 cover when the layer thickness is at least 35 mm.
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	Requires fine levelling
Durability	Water resistant
The pH of the cured material	10.5-11. Low alkaline.
Color	Grey
Storage conditions	Shelf life is approx. 12 months from date of manufacture (unopened package, dry space)
Package	20 kg sack
GTIN-codes	6415910032593 (20 kg)
Certifications	CE, M1, EC1+, EPD, Key Flag Symbol

MIXING

One sack (20 kg) of powder is mixed in 1.8 litres of clean water (9% of the dry weight). The screed is mixed approx. 3 minutes with a concrete mixer or with a powerful drilling machine equipped with a whisk. The prepared screed composition should be firm and semi-dry. Pot time in normal circumstances is approx. 30 min after adding water. The temperature of the screed must be at least +10 °C. In low temperatures, use warm water (max. +35 °C).

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Excess water causes separation and weakens the strength of the screed, so an excessive amount of water must not be used.

WORK INSTRUCTIONS

The roof, window and door openings of the building must be closed. The substrate and air temperature during the screeding work and for one week thereafter should be between +10 ... +25 °C. The relative humidity of the substrate must be <90%. The screed must not be dried with a fan heater or dryer.

Underfloor heating:
The hydronic system or electrically operated so-called renovation cables are most suitable for underfloor heating. When using normal cables the screed must be compacted with special care so as not to leave air pockets around the cables.

Work stages:
Floor drains, etc. are protected using a casting cover. The surface is adjusted with a board or leveller before levelling with a polyurethane float. Finally steel levelling must be done in order to ensure a sufficiently compact and smooth surface for waterproofing. The surface is not watered at any stage, as during levelling the surface gets wet enough. The typical post-watering and aftercare for concrete floors is also forbidden.

Drying time:
The screed is ready for foot traffic and can be overlayed or waterproofed after 3 hours at a temperature of +23 °C. Final floor covering (e.g. tile) can be installed at earliest 15 hours later in normal drying conditions (+23 °C, 50% RH). High moisture content of the substrate and poor drying conditions prolong the drying time. Floor covering installation must comply with humidity guidance values required by RYL and the coating manufacturer.

COATING

The levelled substrate can be covered with ceramic or stone tiles or parquet. Other floor coverings usually require overlaying, for example with weber 3100 Fine Levelling. weber 6000 surfaces can be directly waterproofed in accordance with waterproofing instructions.

DISCLAIMER

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

SALES UNITS

Product Code	GTIN	Name	Length	Width	Height	Weight	SU/ UoP2	SU/ UoP3
1013850	6415910032593	weber 6000 Rapid Screed 20 kg	439 mm	269 mm	122 mm	20 kg	48	

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