



## webervetonit 4400 Fast levelling

- Quick corrections and patches
- By adjusting the amount of water, different working properties are achieved: from fine screed to hole filler and an appropriate, more pasty mass for pouring.
- Ready for coating in 2 hours
- Low alkaline pH 10.5-11 – Protects against alkaline degradation of floor adhesives (min. 5 mm thickness) -> healthy indoor air
- Also for outdoor use!

### About this product

Hand-spread, fast-curing and enables fast covering, cement-based screed for small repairs and patching in concrete flooring. Layer thickness 0-30 mm, hole filling < 50 mm.

### Product attributes

- Low emissions
- Heated floors
- Low alkaline
- Coatable
- Low dust

### Application characteristics

- Hand applied

### Area of use

Levelling, straightening and hole filling for interiors and outdoor terraces, garages and balconies.

### Substrate

Suitable substrates are cement-based substrates with a tensile strength of > 1 MPa. There are separate instructions for treating the substrate, see weber MD 16 Primer product datasheet.

### Substrate type

- Concrete
- Floor levelling

### Mixing

One sack (20 kg) of powder is mixed in 4.0-5.6 litres of clean water (20-28% of dry weight). By adjusting the amount of water within these limits, the composition of the screed can be changed from the pasty to more fluid. The mass is mixed for at least 1 minute with a powerful drill whisk. The normal working time is approx. 15 minutes after adding water. The temperature of the mass must be at least +10 °C. In cold conditions use warm water (max. +35 °C). Too much water causes separation and weakens the strength of the level surface.

### Work instructions

#### Indoors:

The building must have a roof, and windows and doorways must be closed. The substrate and the air temperature during the levelling work and for a week thereafter must be between +10...+25 °C. Draught on the floor surface must be avoided during levelling and for 3 days after. The relative humidity of

### Product specification

Material consumption	approx. 1.6 kg/m <sup>2</sup> /1 mm layer
Recommended layer thickness	0-30 mm (hole filling 50 mm)
Recommended water content	4.0-5.6 l/20 kg (20-28% of dry weight)
Application temperature	+10...+25 °C. Optimal +15...+20 °C.
Curing time for covering	2 h with water amount 4.0-4.8 l/20 kg (+23 °C, 50% RH)
Curing time for pedestrian traffic	approx. 1 h (+23 °C, 50% RH)
Binder	Special cement mixture
Filler	Natural sand and limestone powder, grain size < 0.3 mm
Additive	Additives to improve adhesion and workability properties. Casein-free.
Floor screed layer tensile strength 28 days	≥ 1.5 N/mm <sup>2</sup>
Compressive strength class	C 30 (EN 13813)
Compressive strength 28 days	≥ 30 N/mm <sup>2</sup> (+23 °C, 50% RH)
Flexural strength class	F 7 (EN 13813)
Flexural strength 28 days	> 7 MPa (+23 °C, 50% RH)
Shrinkage 28 days	< 0.7 mm/m (+23 °C, 50% RH)
Reaction to fire (for exposure situations)	A2 <sub>sl</sub> -s1 (EN 13501-1)
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	RWFC 350. Can be used in offices. (EN 13813)
Durability	Water resistant
The pH of the cured material	10.5-11. Low alkaline.
Color	Grey
Shelf life	approx. 12 months from the date of manufacture (Unopened package, dry space)
Package	20 kg sack
Certifications	CE, MI, ECI+, EPD

the substrate must be <90%.

**Outdoors:**

The weather conditions must be dry and both the substrate and air temperature during levelling work and at least 24 hours afterwards should be more than +10 °C. The levelling surface must be protected from rain, freezing, direct sunlight and wind for a few days after levelling.

**Work execution:**

The screed is applied with a steel trowel. Possible trowel marks can be scraped off approx. 30 min after mixing. Clean tools with water immediately after use. Hardened screed must be mechanically removed from tools.

**Covering time:**

The screed is ready for foot traffic in approx. 1 hour at a room temperature of +23 °C. The screed can be coated 2 hours after levelling when conditions are normal (+23 °C, 50% RH). When mixing the more fluid screed (4.8-5.6 l water / 20 kg), the covering time of thicker layers (> 5 mm) is longer. High moisture content of the substrate and poor drying conditions prolong the covering time. When installing the floor covering, the ground humidity guidelines required by RYL and the coating manufacturer must be followed.

**Coating**

The levelled substrate can be waterproofed in accordance with Weber's Waterproofing work instructions or can be covered, for example, with ceramic and stone tiles, plastic or textile mats, vinyl tiles, cork, laminate, board parquet or water-soluble solvent-free epoxy paint (for example weberfloor 4736 Epoxy paint and paint priming with weberfloor 4712 Sealing epoxy - the suitability of other paints must be checked with the paint manufacturer). The substrate can be painted with water-soluble solvent-free acrylic paint (for example Teknospro Binder Plus + Teknofloor Aqua Pro - the suitability of other paints must be checked with the paint manufacturer). Protection against alkaline degradation is obtained with a minimum screed thickness of 5 mm.

A base of plywood is installed on the substrate under the parquet flooring or flexible STP adhesives are used to glue them together according to the parquet manufacturer's instructions.

**Disclaimer**

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