

WEBER 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!
- 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-curing and enables fast covering, cement-based screed for small repairs, filling holes and patching in concrete flooring. Layer thickness 0-30 mm.

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 > 0.5 MPa. There are separate instructions for treating the substrate, see weber MD 16 Primer product datasheet.

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

PRODUCT SPECIFICATION

Material consumption	approx. 1.6 kg/m ² /1 mm layer
Recommended layer thickness	0-30 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.
Adhesion strength 28 days	> 2.0 MPa (adhesion to concrete K30, EN 13813)
Compressive strength class	C 30 (EN 13813) (+23 °C, 50% RH)
Flexural strength class	F 7 (EN 13813) (+23 °C, 50% RH)
Shrinkage 28 days	< 0.7 mm/m (+23 °C, 50% RH)
Reaction to fire (for exposure 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 ₁₀ cover when the layer thickness is at least 25 mm and that replaces the K ₂₃₀ cover when the layer thickness is at least 35 mm.
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	RWFC 350. Can be used in offices. (EN 13813)
The pH of the cured material	10.5-11. Low alkaline.
Color	Grey
Storage conditions	Shelf life is approx. 12 months from the date of manufacture (Unopened package, dry space)
Package	20 kg sack
GTIN-codes	6415910032531 (20 kg)
Certifications	CE, M1, ECI+, EPD, Key Flag Symbol

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 tempera-

ture 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 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.

The levelling surface must not be left uncoated. There must be waterproofing under tiling.

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 and relative humidity 50%. 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.

It is recommended to grind the screed surface before coating to remove any contaminants or other substances that weaken adhesion to the substrate.

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.