



LOW DUST

PRODUCT DESCRIPTION

Consumption	approx. 1.6 kg/m ² /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 pedestrian traffic	approx. 1 h (+23 °C, 50% RH)
Curing time for covering	2 h with water amount 4.0-4.8 l/20 kg (+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 ²
Compressive strength class	C 30 (EN 13813)
Compressive strength 28 days	≥ 30 N/mm ² (+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 exposive situations)	A _{2-FL} -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.
Colour	Grey
Shelf life	approx. 12 months from the date of manufacture (unopened package, dry space)
Package	20 kg sack
Product certifications	

Fast levelling

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

- 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
- Protects the coatings from the alkaline moisture of the concrete substrate
- Also for outdoor use!

Applications

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.

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 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.

Drying 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 drying time of thicker layers (> 5 mm) is longer. High moisture content in the substrate and poor drying conditions increase the drying 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 according to the Weber's Waterproofing work instructions or covered with most floor coverings such as ceramic and stone tiles, plastic or textile mats, vinyl tiles, cork or board parquet. The alkaline shield is achieved with a levelling layer of at least 5 mm. Plywood is installed on the substrate under adhesive parquet because of the stresses caused by the moisture of the wood.

