

# WEBER 3100 FINE LEVELLING



- Excellent surface for adhesive coverings
- Very easy spreading and working
- Low alkaline pH 10.5-11 – Protects against alkaline degradation of floor adhesives (min. 5 mm thickness) -> healthy indoor air
- Coatable after 1 day
- Certified EPD environmental product description
- The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

## ABOUT THIS PRODUCT

Fast setting and enables fast covering, cement-based floor screed for concrete substrates. It can be applied by hand or pump. Layer thickness 0-10 mm, for pumping 2-10 mm.

## AREA OF USE

Interior finishing levelling for interior floors before the installation of the covering in apartments, offices and public buildings.

## 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 5.2 litres of clean water (26% of the dry weight). The water temperature can be up to +35 °C. Mixing is carried out with a strong drilling machine beater for approx. 2 minutes. When pumping 3100 Fine levelling is mixed in clean water using

## PRODUCT SPECIFICATION

Material consumption	approx. 1.5 kg/m <sup>2</sup> /1 mm layer
Recommended layer thickness	0-10 mm (when pumping 2-10 mm)
Recommended water content	5.2 l/20 kg (26% of dry weight)
Application temperature	+10...+25 °C. Optimal +15...+20 °C.
Curing time for covering	24 h (+23 °C, 50% RH)
Curing time for pedestrian traffic	2-4 h (+23 °C, 50% RH)
Binder	Special cement mixture
Filler	Natural sand and limestone powder, grain size < 0.3 mm
Additive	Admixtures to improve adhesion and spreadability. Casein-free.
Compressive strength class	C 30 (EN 13813)
Flexural strength class	F 7 (EN 13813)
Shrinkage 28 days	< 0.3 mm/m (+23 °C, 50% RH)
Reaction to fire (for exposive situations)	A2 <sub>FL</sub> -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 <sub>2</sub> 10 cover when the layer thickness is at least 25 mm and that replaces the K <sub>2</sub> 30 cover when the layer thickness is at least 35 mm.
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	RWFC 450. Can be used in offices. (EN 13813)
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	6415910032159 (20 kg)
Certifications	CE, M1, EC1+, EPD, Key Flag Symbol

a Weber-approved automatic mixer. The flow properties of the screed are checked before and during pumping

(further information from Weber). Pot time in normal circumstances is approx. 15 min after adding water. The temperature of the screed must be at least +10 °C. In low temperatures, use warm water (max. +35 °C). 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 and for one week after should be between +10...+25 °C. Draught on the floor surface should be avoided during screeding and for one day after the work. The relative humidity of the substrate must be <90%. The screed is applied with a steel trowel or a notched trowel. Spreading should continue non-stop until the entire area has been levelled. When pumping, the maximum width of the area is 10-12 m. Wider areas are divided into bays using temporary borders. Tools must be cleaned with water immediately after use. Hardened screed is removed from the tools mechanically.

### Covering time:

The screed is ready for foot traffic after 2-4 hours at an ambient temperature of +23 °C. The surface can be ground if necessary 4-6 hours after levelling. The floor can be covered approx. 24 hours after the levelling when drying conditions are normal (+23 °C, 50% RH). High moisture content of the substrate and poor drying conditions prolong the covering time. Floor covering installation must comply with humidity guidance values required by RYL and the coating manufacturer.

### Movement joints:

The substrate structural movement joints are removed with e.g. an angle grinder as soon as the surface is ready for foot traffic. The joints are filled with elastic sealing material.

## COATING

The levelled substrate can be covered with ceramic or stone tiles, plastic or textile carpets, vinyl tiles, cork,

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.

weber 3100 Fine levelling is suitable for use as a base for painted spaces that do not require high wear resistance (e.g. outdoor storage facilities). Premises with greater wear and/or where drying time is critical the paint substrate should be made using weber 3300 Smooth Levelling.

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.

Resin floors (PU, epoxy and acrylic-based). The suitability of the overlayment must be checked from the manufacturer. Weberfloor 4712 Sealing Epoxy should be used as a primer with acrylic-based products, unless otherwise instructed by the overlayment manufacture.

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.