

# WEBER 130 CORE SELF LEVEL COMFORT



- For special floor structures, for example Comfort heated floor and ground-supported floors
- Can be covered after 2-8 weeks with a floating covering or ceramic tiles
- Fiber-reinforced
- Nearly crack-free floors without elevations on the edge
- Low alkaline pH 10.5-11 – Protects against alkaline degradation of floor adhesives (min. 5 mm thickness) -> healthy indoor air
- 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

Pumpable cementitious screed for floating, heated and acoustic floors. Layer thickness depending on the substrate 10-80 mm (floating > 20 mm), mesh use is recommended in floating applications.

## AREA OF USE

For special floor structures, for example a Comfort heated floor solution or impact sound insulation solutions. The surface of the screed must be smoothed before gluing the floor covering. It is also suitable as a conventional levelling screed for concrete floors and ground-supported floors.

## SUBSTRATE

The substrate must be strong enough, clean, firm and dust-free. Suitable substrates include floating structures, different kind of boards (excluding OSB-board) and con-

## PRODUCT SPECIFICATION

Material consumption	approx. 1.7 kg/m <sup>2</sup> /1 mm layer
Recommended layer thickness	10-80 mm (depending on the substrate)
Layer thickness in floating constructions	≥ 20 mm (mesh use is recommended)
Recommended water content	3.8 l/20 kg (19% of dry weight)
Application temperature	+10...+25 °C. Optimal +15...+20 °C.
Curing time for covering	2-8 weeks (+23 °C, 50% RH), over 50 mm layer thickness and/or poor drying conditions prolong the drying time
Curing time for pedestrian traffic	3-4 h (+23 °C, 50% RH)
Binder	Special cement mixture
Filler	Natural sand and limestone powder, grain size < 1.2 mm
Additive	Additives to improve adhesion and workability properties. Casein-free.
Compressive strength class	C 16 (EN 13813) (+23 °C, 50% RH)
Flexural strength class	F 4 (EN 13813) (+23 °C, 50% RH)
Shrinkage 28 days	< 0.4 mm/m (+23 °C, 50% RH)
Reaction to fire (for exposure situations)	A <sub>2-L</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> J0 cover when the layer thickness is at least 25 mm and that replaces the K <sub>2</sub> J30 cover when the layer thickness is at least 35 mm.
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	Requires overlaying
Durability	Water resistant
Water vapour diffusion coefficient (μ)	10 (dry) 6 (wet) (EN 12524:2001)
The pH of the cured material	10.5-11. Low alkaline.
Thermal conductivity	1 W/mK (EN 12524:2001)
Specific thermal capacity (Cp)	1 J/(g°C) (EN 12524:2001)
Color	Grey
Storage conditions	Shelf life in sack is approx. 12 months from the date of manufacture (unopened package, dry space).
Package	20 kg sack. 1000 kg large sack. Bulk in a silo.
GTIN-codes	6415910032388 (20 kg) 6415910020156 (1000 kg) 6415910020194 (Bulk)
Certifications	CE, M1, ECI+, EPD, Key Flag Symbol

crete. When using concrete levelling screed, the tensile strength of the substrate must be > 1.0 MPa. In all floating structures, the screed is separated from the substrate by

weberfloor 4940 fabric or other casting protector. There are separate instructions for treating the substrate; see weber MD 16 Primer product datasheet.

### MIXING

The product is mixed in clean water using a Weber-approved automatic mixer. A suitable amount of water is approx. 19% (of the dry weight of the screed), which is equivalent to 3.8 litres / 20 kg sack. Mixing can also be done using a powerful drill whisk for at least 1 minute. The water content can be increased by a maximum of 0.3 litres / 20 kg sack. Pot life in normal conditions is approx. 20 min after adding water. The temperature of the screed must be at least +10 °C. In low temperatures, use warm water (max. +35 °C). The flow properties of the screed are checked before and during pumping (further instructions from Weber). Excess water causes segregation, weakens the strength of the screed surface and slows down the drying.

### WORK INSTRUCTIONS

The building must have a roof, and windows and doors must be closed. The substrate and air temperature during the levelling work and for one week after should be between +10...+25 °C. Draught on the floor surface should be avoided during levelling and for three days after the work. The relative humidity of the substrate must be <90%. The maximum width of the pumped area is 6-8 m depending on the pump power and the thickness of the screed. Wider areas are divided into sections using temporary dividers. The pumping is carried out in sections so that the new section is pumped as quickly as possible partially to the previous one. Connecting sections while casting is aided using a wide steel trowel or by "wobbling". When spreading by hand use a steel trowel. 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 3-4 hours after levelling if the room temperature is approx. +23 °C and relative humidity 50%. If necessary, the surface can be sanded and smoothed (e.g. weber 3100 Fine levelling) at earliest 2 days after levelling. The floor covering can be installed 2-8 weeks after levelling, depending on the layer thickness and the drying conditions. Over 50 mm layer thickness 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 and all floating floor coverings. Glued floor coverings requires fine smoothing. Moisture measurement and drying evaluation should be performed for the entire structure (substrate and screed) and the coating capacity should be evaluated accordingly. There must be an underlayer of plywood between the substrate and the glued parquet. NOTE! Not suitable as a surface to be coated (for example paint or mass floors). weber 110 fine Self Level Plus, weber 120 reno Self-Level Renovation, weber 3100 Fine Levelling or weber 3300 Smooth Levelling are suitable substrates for paints.

To remove any unevenness, it is recommended to grind the screed surface before covering.

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