

weberfloor LVL combi

Calcium sulphate based self-levelling screed

Technical Data Sheet
Issued On: 30.09.2022
Revision No: 002

■ Description

Calcium sulphate based, self-levelling screed with 2-60 mm of application range.

■ Reference standards

TS EN 13813
Public Works Pos No: 10.300.2074 (Old: 04.379/D04)

■ Advantages

- Opened to traffic in 2 hours
- Up to 60 mm of levelling in single use
- Ideal solution for floor heating systems
- Suitable for floors subject to medium and heavy foot traffic
- Provides a smooth substrate with self-levelling
- Quick spreading
- No cracking and blistering
- Pump applicable

■ Application areas

Used as levelling screed prior to final coating on interior floors of all buildings subject to heavy traffic.



■ Application substrates

Interior floors;

- Cement based screed,
- Concrete floors
- Prefabricated concrete,

Please consult us for all other application substrates.

■ Preparation of substrates

Applications adhering the substrate (concrete, cement based screed, etc.):

- The substrate should be clean, dry, smooth and sound.
- Paint, gypsum, concrete and adhesive residues should be removed by scraping.
- The substrate should be cleaned from dust by aspiration or vacuum cleaning.
- Local defects should be repaired using **weberep** repairing mortars if any exist.
- The substrate should be primed using **weberprim FP-A** without diluting at least 30 minutes before **weberfloor LVL combi** application.

Application on floor heating system:

- Insulation layer under the floor heating system should be placed correctly and adjacently.
- Compressive rate of the insulation layer should be very low and pre-calculated.

- Load and traffic to be exposed to the substrate should be pre-calculated.
- Conform to expansion joints on floor concrete for the insulation layer of the floor heating system and for **weberfloor combi** application as well.
- Constructional components (walls, columns, etc.) which are vertically placed on the substrate should be separated from **weberfloor LVL combi** by placing 8 mm soft strips.
- Edges of the **weber zemin filesi** should be overlapped by 10 cm.

■ Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- Add 5 liters of clean water to a 20 kg bag of **weberfloor LVL combi**.
- **weberfloor LVL combi** should be mixed to a homogenous consistency using a low-speed mixer for 2 minutes.
- Prepared mortar is poured on the floor and expunging should be made to fill detorientations on the surface.
- Spreaded material should be smoothed using spiked roller if needed.
- If application is made using mixer pump, width of the work area should not exceed 6 meters to not to deteriorate spreading.
- **weberfloor LVL combi** spreads itself. Thickness should be adjusted using trowel.

■ Application tools

Steel trowel, hand mixer, spiked roller

■ Consumption

1.5-1.6 kg/m² (for 1 mm application thickness)

■ Points of attention

- Not applicable on permanently wet or humid substrates.
- Not applicable on non-durable and loose substrates.
- Not applicable on exteriors and industrial areas.
- Not applicable on old surfaces and wooden floors.
- Cannot be left as final coat.
- Conform to dilatation joints if any exist.
- Use profiles suitable for the topcoat to be applied.
- Operating temperature of floor heating systems should not exceed 55°C.
- Levelling requirements should be determined before the application.
- Do not add any foreign substances.

■ Technical specifications

PRODUCT	weberfloor LVL combi
Product structure	Powder
Colour	Grey
Density (mortar)	1.91-2.11 gr/mm ³
Mixing rate	20 : 5 (weberfloor LVL combi : water)
Self-levelling time	70-90 seconds
Time required for pedestrian traffic	2-4 hours
Application thickness	2-60 mm
Mortar flow rate	225-235 mm (weber standard flow ring 68x35 mm)
PERFORMANCE	
Compressive strength	≥20 N/mm ²
Flexural strength	≥6 N/mm ²
Bond strength	≥1 N/mm ²

Time required for top covering			
Application thickness	10 mm	30 mm	60 mm
Tiles	1 day	7-14 days	14-21 days
PVC, linoleum, carpet	1-2 days	14-21 days	14-21 days
Parquet	7 days	>21 days	>21 days

■ Storage

Packaging	20 kg kraft bag
Colour	Grey
Shelf life	<ul style="list-style-type: none">• 1 year from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment.• Packages should be kept tightly closed when not in use.• Lumped or petrified products should not be used.

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

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The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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