

weberfloor LVL combi

Calcium sulphate based self-levelling screed

Technical Data Sheet
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■ 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

- Since weberfloor LVL combi product is in the gypsum-based screed group, it should not be used in areas exposed to intense water such as water tanks, pools, Turkish baths/saunas, etc. and in outdoor applications.
- In case of exposure to high humidity, structural deterioration and durability problems may occur. Therefore, moisture insulation should be applied on the ground, regular humidity control (<65% Humidity) and ventilation should be done in the usage area.
- Not applicable on non-durable and loose substrates.
- Not applicable on exteriors and industrial areas.
- Not applicable on old surfaces and wooden floors.

■ 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, waste management and/or product disposal

LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.



Access detailed documentation of the product by scanning QR or trweber.

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

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