

# weberfloor LVL 1040

## Self-levelling screed

### Technical Data Sheet

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#### ■ Description

Cement based, self-levelling screed with 1-40 mm of application range.

#### ■ Reference standards

TS EN 13813

EMICODE EC1 Plus

Public Works Pos. No: 04.379/D04

#### ■ Advantages

- Suitable for floors subject to heavy pedestrian traffic
- Suitable for levelling deteriorations between 1-40 mm
- Perfect spreading
- No cracking and blistering
- Provides a smooth substrate
- Becomes walkable 2 hours after the application
- Suitable for pump application

#### ■ 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

- 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 **weberrep** repair mortars if any exist.
- The substrate should be primed using **weberprim FP-A** without diluting at least 30 minutes before **weberfloor LVL 1040** application.

#### ■ Top coat options

Coatings applied using adhesives like laminated floorings, tiling, carpet, PVC can be used as finalcoat on **weberfloor LVL 1040** applied substrates.

#### ■ Limits of application

- Not applicable on wet or damp substrates.
- Not applicable on weak and loose substrates.
- Not applicable on exteriors and industrial areas.
- Not applicable on wooden floors.
- Should not be left open as topcoat.

#### ■ 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 4.8 liters of clean water to a 20 kg bag of **weberfloor LVL 1040**. Then the product 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 deteriorations on the surface.
- **weberfloor LVL 1040** spreads itself. Thickness should be adjusted using trowel.
- Spreaded material should be smoothed using spiked roller if needed.
- For mixer pump application, width of the work area should not exceed 6 meters to not to spoil the flow of the material.

#### ■ Application tools

Steel trowel, hand mixer, spiked roller

#### ■ Consumption

1.5-1.8 kg/m<sup>2</sup> (for 1 mm application thickness)

#### ■ Points of attention

- Conform to dilatation joints if any exist.
- Use profiles suitable for the topcoat to be applied.
- Levelling requirements should be determined before the application.
- Conform to water ratios provided.
- Do not add any foreign substances.
- Areas like wall edges, door fronts should be closed using profiles or tapes.

## ■ Technical specifications

PRODUCT	<b>weberfloor LVL 1040</b>
Product structure	Powder
Colour	Grey
Density (mortar)	2.0 gr/mm <sup>3</sup>
Karışım oranı	20 : 4.8 ( <b>weberfloor LVL 1040</b> : water)
Self-levelling time of mortar	15 minutes
Time required for pedestrian traffic	2 hours
Application thickness	1-40 mm (floors subject to medium pedestrian traffic) 3-40 mm (floors subject to high pedestrian traffic)
Mortar flow rate	260-300 mm (weber standard flow ring 68x35 mm)
PERFORMANCE	
Compressive strength	≥22 N/mm <sup>2</sup>
Flexural strength	≥4 N/mm <sup>2</sup>
Bond strength	≥2 N/mm <sup>2</sup>

Time required for top coat application			
Thickness	10 mm	30 mm	40 mm
Tiling	16 hours	3 days	3 days
PVC, linoleum	24 hours	7-10 days	10-14 days
Carpet, textile	24 hours	7-10 days	10-14 days
Parquet	24 hours	>14 days	>14 days

## ■ Storage

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

## ■ 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

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.

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

**Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.