



weber.floor Self-Leveling Screed WB270

The professional choice for
levelling and repairing of floors



WB270

20 kg

About this product

weber.floor Self-Leveling Screed WB270 is a cement-based, rapid-hardening, low-shrinkage, self-leveling 'underlay', used to rectify uneven or damaged concrete and other cement-based floor surfaces. Produced from carefully selected raw materials for consistency of product, it only requires the addition of water on site. Application can be by means of 'hand-mix' or by automated pumping equipment - the final floor finish being smooth, durable and designed to accept various floorcoverings such as vinyl sheeting and -tiles, laminates and marmoleum, rubber floors, carpeting, parquet, epoxy or urethane coatings and ceramic/porcelain tiles.

Technical services

Weber has a team of experienced advisors available to provide technical support. Technical help line: **08600 WEBER (93237)** or visit **www.weber-tylon.co.za**

Technical data

Application thickness	2 to 20 mm
Pot life	30 minutes (use within this time) approximately 1 hour (when applied 20 mm thick) approximately 2 hours (when applied 20 mm thick)
Initial setting time	
Final setting time	
Overlaying with floorcovering	Screed must have less than 4 % moisture content before overlaying with a floorcovering.
Water demand	4.4 litres per 20 kg
Temperature resistance	5°C to 30°C during application, up to 90°C when set
temperatures	Do not apply in temperatures below 5°C or above 30°C
	27 MPa after 28 days
Flexural strength	Minimum 4.5 MPa after 28 days of
	20°C and 50% relative humidity.

Note: all the data given was obtained at a temperature

Coverage

Approximately 4m² per 20 kg bag when applied 3 mm thick, or approximately 1.7 kg /m²/mm thickness.

Packaging

weber.floor Self-Leveling Screed WB270 is supplied in 20 kg bags.

Storage and shelf life

When stored, unopened in a dry place at temperatures above 50°C, shelf life is 9 months from date of manufacture.

Use

Levels uneven or damaged cement floor surfaces:

- Suitable for floors only
- Suitable for interior and exterior use

Features and benefits

- Rapid installation saving time and cost
- Exceptional and consistent quality
- Excellent shrink-resistance
- Reduces risk of cracks
- Rapid-setting
- Easy application

Safety instructions

Contains cement, which is alkaline when wet and can cause skin irritation. Use eye protection and gloves and avoid prolonged skin contact. Avoid inhalation of dust. Wash skin contamination away with warm soapy water. Remove splashes to the eyes by prolonged irrigation and consult a doctor. Do not ingest. MSDS sheets available on request.

Guarantee

We agree that **Weber** products meet the product specification and will be free from any defect. Any guarantee with regard to the performance of Weber products will be subject to the professional and practical application of Weber products in accordance with our instructions and specifications.

However, we have no influence over specific site conditions and therefore, if in doubt, the user should first carry out sufficient tests to ensure that the product is suitable. In special cases, obtain advice. Should our product prove defective, we undertake to replace the defective material. This guarantee will fall away in the event of Weber products being contaminated by the addition of sand, cement or substance other than recommended by us. Weber will not be liable for any injury, loss or damage (direct or consequential) relating to the use (or inability to use) our products.

General

weber.floor Self-leveling Screed should not be applied to exterior surfaces when there is a risk of rain or frost within six hours after application.

All the data given was obtained at a temperature of 20°C and 50% relative air humidity. Bear in mind that hardening or drying is accelerated or delayed under other climatic conditions.

Surfaces preparation

The following minimum curing periods must be observed, before application of this Screeding compound:

- New concrete floors : 28 days
- New screeds : 28 days
- New brickwork : 14 days

Ensure that all surfaces are clean, dry, sound and free from dust, grease or any contamination that could impair bonding. Make good any unsound areas and remove flaky or peeling layers before screeding tiling. Organic growth must be removed and the spores killed using household bleach.

All expansion joints and cracks in the existing floor that are subject to subsequent or on-going movement must be identified, and will need to be duplicated in the new screed layer as expansion joints. With this in mind it is preferable to get professional advice from an Engineer. Holes and voids must be identified and filled with a suitable repair mortar such as **weber.floor 4602**. PVA paint and gypsum plaster must be chipped to expose 80% of the substrate.

Enamel paint and bitumen should be scraped and chipped to expose 80% of the substrate. Do not use a solvent or heat to remove bitumen from the surface. Existing ceramic tiles must be thoroughly cleaned using undiluted heavy duty cleaner. Rinse using clean water. Smooth or power-floated cement surfaces must be acid washed to remove laitance and rinsed well using cold clean water. In very hot weather, dampen the substrate and allow the surface moisture to dry.

Priming/Waterproofing

Where the sub-floor's RH exceeds 75% (moisture content of subfloor is greater than 4.4%), it is necessary to apply a cement-based waterproof barrier. In such instances a slurry coat of 2-parts **weber.prim Plaskey WB250** to 1-part **weber.ad Key-it WB117** needs to be applied to a thickness of 2 mm, using a Block Brush. Leave to dry for 24 hours. This slurry coat will also act as primer.

Where the RH is less than 75% a simple primer layer be required. In such instance **weber.floor 4716** or **weber.ad Key-it WB117** must be used. In both instances, the **weber.floor Self-leveling screed WB270** is best applied while the primer is still 'tacky'.

Manufacture

All **Weber** products are manufactured to Weber's exacting standards, which comply with with Quality System Standards ISO 9001:2000 and 14001.

Mixing

Manual mixing weber.floor Self-leveling Screed WB270 can be applied manually or by means of pumping equipment.

Gradually mix 20 kg of **weber.floor Self-Leveling Screed (WB270)** into 4.4 litres of clean cold water. Do not add too much water or attempt to extend the working time by adding more water as this will cause the adhesive to be weak with a tendency to crumble. Mix thoroughly to a creamy, lump-free paste. A spindle mixer is recommended. Allow the mixture to stand for 5 minutes. The mixture will thicken. Immediately remix thoroughly before use.

DO NOT ADD MORE WATER. Do not mix more than can be used in 25 minutes.

Note : Should a white film appear on the surface of the mixture, too much water has been added.

To rectify, add more **weber.floor Self-Leveling Screed WB270** and re-mix until the correct consistency is achieved.

Pump Equipment Method
Please contact for details

Application

Manual method

Pour the **weber.floor Self-Leveling Screed WB270** mix onto the surfaces to be treated and allow to flow into the voids and uneven areas. Required thickness can be achieved by light troweling with a steel trowel or fixed height notched rake. Do not over-trowel. **weber.floor Self-Leveling Screed WB270** can be applied to a minimum thickness of 2 mm up to a maximum of 20 mm. For best results apply to a thickness of 6-8 mm. Allow to dry for at least 3 hours before the newly laid screed can safely accept light-foot traffic. Allow screed to dry for a minimum of 24 hours before overlaying with a

floorcovering. It is advisable to test the moisture content of the screed before floorcovering is laid (4% maximum moisture content).

Pump Equipment Method of application

Please contact with our technical department for more details of equipment required. Before application, the **weber.floor Self-leveling Screed WB270's** flow rate needs to be tested, which must be between 230 and 250 mm on the 'Weber Flow Tester'.

All expansion joints and cracks in the existing floor that are subject to subsequent or on-going movement must be identified, and will need to be duplicated in the new screed layer as expansion joints. With this in mind it is preferable to get professional advice from an Engineer.

Allow screed to dry for a minimum of 24 hours before overlaying with a floorcovering. It is advisable to test moisture screed before floorcovering is laid (4% maximum moisture content).

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