

About this product

weber.floor Self-Leveling Screed WB300 for Vinyl and other overlays, is a cement-based, rapid-hardening, low-shrinkage, self-levelling 'underlay' used to provide a suitable surface for the application of Vinyls (sheeting and tiles) and other overlays such as laminates, or to simply rectify uneven or damaged concrete and other cement-based floor surfaces.

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)
Initial setting time	approximately 1 hour (when applied 5 mm thick)
Final setting time	approximately 2 hours (when applied 5 mm thick)
Overlaying with floorcovering	Screed must have less than 5 % moisture content before overlaying with a floorcovering.
Water demand	4.8 litres per 20 kg
Temperature resistance	5°C to 30°C during application, up to 90°C when set
Application temperatures	Do not apply in temperatures below 5°C or above 30°C
Compressive strength	30 MPa after 28 days
Flexural strength	Minimum 7 MPa after 28 days

Note: all the data given was obtained at a temperature of 20°C and 50% relative humidity.

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 WB300 is supplied in 20 kg bags.

Storage and shelf life

When stored, unopened in a dry place at temperatures above 5°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

- Self drying
- Exceptional and consistent quality
- Excellent shrink-resistance
- Smooth and hard finish
- Rapid-setting
- Easy to mix and apply
- Pumpable
- Self-levelling

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. A 'pull-off' test should be undertaken to determine the suitability of the sub-floor which should exceed 1.5 MPa. 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. 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. Once the surface preparation has been completed, the area must be primed using a mix of 2 volumes of **weber.prim Plaskey** and 1 volume **weber.ad Key-it**. Apply using a block-brush and leave to dry for 24 hours. Alternatively apply **weber.floor 4716 Primer**-two layers.

Manufacture

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

Mixing

Hand mix

Weber.floor Self-leveling Screed WB300 can be applied manually or by means of pumping equipment.

- Gradually mix 20 kg of **weber.floor Self-Levelling Screed (WB300)** into 4.8 litres of clean cold water. In wet or permanently wet conditions, replace the water in the mix with **weber.ad Bond-it**. Do not add too much water or attempt to extend the working time by adding more water as this will cause the screed 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 gel for 5 minute. 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 pro Self-levelling Screed WB300** and re-mix until the correct consistency is achieved.

Application

- Pour the **weber.floor pro Self-levelling Screed WB300** mix onto the surfaces to be treated and allow to flow into the voids and uneven areas .Finished thickness can be achieved by light troweling with a steel trowel or fixed height notched rake for desired thickness .Do not over trowel .**weber .floor pro Self leveling Screed WB300** can be applied to a minimum thickness of 2mm up to a maximum of 20mm.Drying time for 30 minutes to 24 hours dependent on thickness of application and sight conditions such as relative humidity .Allow for expansion joints when leveling more than 5m at a flow covering .

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