



weberfloor rapid

Rapid drying, shrinkage controlled semi-dry floor screed

Flooring

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
50kg	50kg	50kg	50kg	50kg	50kg	50kg	50kg

PRODUCT

weberfloor rapid is a ready to use rapid drying polymer modified hydraulic binder, shrinkage controlled, semi-dry floor screed. Comparing to the traditional semi-dry screed, this premixed screed is the best solution for use in all instances where logistics conditions at sites are complicated. Additionally, it improves the quality, strength and drying speed of the screed over standard cement screeds.

SCOPE OF USE

weberfloor rapid could be applied internally or externally in both wet and dry areas such as Kitchen, Shower rooms, Toilets, Terraces, Service rooms, etc. for levelling differences in thicknesses from 15mm to 100mm depending on the difference in the level and on the type of application: bonded, unbonded or floating screed (for thicknesses higher than 100mm, please consult weber technical department). Additionally, **weberfloor rapid** is suitable for various acoustic insulation systems applications.

DRYING TIME

In case of bonded screed application, always measure the substrate moisture content before applying **weberfloor rapid**.

Although the drying time of **weberfloor rapid** is fast, weber recommends to always re-measure the moisture content before installing moisture sensitive floor finishes such as Rubber, PVC, linoleum, textile, wooden floor, etc.. using a Carbide Hygrometer (Electrical hygrometers values are not reliable).

Waiting time before covering

Cement based tile adhesive	24 hours
Natural stones	48 hours
Self-leveling application	2 to 4 days (depending on the moisture content)
Resilient floors	4 days

CHARACTERISTICS

Form	Powder
Color	Grey
Mix Density	2.15
Grain size	Up to 5 mm
Mixing water	1.75 - 2 Liter per 25 kg bag 3.5 - 4 Liter per 50 kg bag
Mixing time	3 to 8 minutes (depending on type of mixing)

Working time	60 minutes @20°C
Application temperature	+5°C to +40°C
Bed thickness	Bonded: 15mm -> 100mm Unbonded: 50mm -> 100mm Floating: 65mm -> 100mm
Light foot traffic	12-24 hours (depending on site conditions)
Flexural strength EN 13892-1	28 days: 5 Mpa
Compressive strength EN 13892-1	28 days >30 Mpa
Residual moisture (carbide hygrometer)	2 days < 3.5% 4 days <2% (depending on site conditions)
Resistance to alkalis	Excellent

APPLICABLE STANDARDS

EN 13892-1; EN 13813; BS 8204 part 1.

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

For bonded construction:

All surfaces should be clean, dry, and free from grease, laitance, oil, dust, paint, and any other substance that may prevent or reduce adhesion. Remove all weak, loose, smooth, or broken pieces of concrete until it reaches a sound rough concrete. This result can be achieved by grinding or by shot-blasting, depending on substrate condition.

The substrate should be structurally sound and free from cracks. The surface tensile strength should be at least 1 N/mm² for light and medium traffic floor. Also ensure that the moisture content is within the acceptable range, depending on the covering type (depending on the substrate application thickness, these figures could be achieved after minimum 28 days). For sensitive covering application, when used on substrates subject to damp where the moisture content is <5%, a suitable damp proof membrane or a vapor barrier such as **weberfloor VB**, must be applied before applying **weberfloor rapid**.

Depending on substrate conditions, cracks or deep ruptures must be repaired prior to **weberfloor rapid** application using **weberfloor epopatch** and/or **weberfloor eplevel**.

Once the substrate is treated, apply a slurry layer, thereafter, immediately pour **weberfloor rapid** on the wet applied slurry coat. The wet slurry coat highly increases the bonding between **weberfloor rapid** and the concrete substrate. Applying **weberfloor rapid** on a dried slurry coat will lead to debonding.

Slurry mix design:

Slurry	Ratio
Grey cement	4
Water	1
weberad 225 MB or weberad 240 LTX	1

For unbonded and floating screed:

Lay down a polyethylene or PVC sheets to separate the concrete from the screed layer in case of unbonded screed or to separate the thermal or sound insulation in case of floating screed. Overlap the polyethylene sheets by at least 20cm and tape them together. Make sure that the Polyethylene sheets ride over the corners and the vertical edges surrounding the screed to cover them for around 20cm. Thereafter, fix the soft strips (use edging foam or polystyrene from 5 to 10mm thickness) as a separation between the walls/columns and the screed. In case of unbonded screed, the thickness should not be less than 50mm, however, in case of floating screed, it should not be less than 65mm.

PRODUCT PREPARATION

weberfloor rapid should be mixed using a concrete mixer, a drum mixer however, the fastest and most practical and productive way is to mix this product using a screed conveyor (pressure pump) or a forced action mixer.

Mix **weberfloor rapid** with 1.75 to 2 liters of clean water with 25 kg bag or 3.5-4 liters of clean water with 50kg bag.

The mixing time will differ according to the mixer type utilized (from 3 to 8 minutes) until a uniform mixed is obtained.

Note: Weber does not recommend to mix this product by hand.

Always use the minimum amount of water to produce a mix, additionally mix enough quantity of material that can be placed within a limited time, depending on the application progress. The applied screed must be protected from air currents within the first 12 hours. If necessary, doorways and windows should be closed. Subsequently, it is very important to ensure sufficient ventilation in the application area, allowing the screed to dry out normally. Ideal application temperature is between +5°C and + 40°C.

PRODUCT APPLICATION

Limit the work areas into manageable sections for maximum 50 m². When applying in warmer temperatures, reduce the width of the work area (or use cold water). Pour the mixed material onto the prepared surface, then immediately spread it with a large metal trowel to level the surface.

weberfloor rapid could be applied in two different finish types: rough and smooth finish. (For more details please refer to the product AMS or seek for weber technical team advice).

PRECAUTIONS

- In order to facilitate the application of **weberfloor rapid**, it is preferable to subdivide the total area of application in smaller ones not exceeding 50m² each, making sure that the length not exceeding 15Lm.
- All existing movement/expansion joints in the base should be maintained and copied through the **weberfloor rapid** application.
- To minimize the curling that would occur in unbonded and floating applications, **weberfloor rapid** could be reinforced with steel dowels or steel mesh. The mesh aperture size should be minimum 50mm, overlapped for around 30cm, Moreover, The reinforcement should be fixed on the lower

1/3 to 1/2 of the screed layer thickness.

- This practice is advisable in case of sensitive covering such as decorative flooring compounds...
- In case of corridors, it is recommended to fix control joints (saw-cut) on each 15 linear meters and in each connection between corridor and room.
- In hot and dry weather, avoid applying the product when the temperatures can reach to their highest points for the day.
- Avoid work under heavy windy condition where the product may dry fast and cracks might appear.
- After usage, clean tools with water. It is recommended to use protective gloves and in case of contact with the eyes, clean thoroughly with water.
- Do not add more water to a mix which has already begun to set.
- Do not cure **weberfloor rapid** with water, however, it is necessary to cover the applied product for the next 3 days with a plastic sheet.
- Always measure the moisture content prior to the application of any moisture sensitive products.

Note: For additional information, please contact our technical support department or one of our Sales Engineers.

CONSUMPTION

18-20kg/m² per 1cm thickness.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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