

Dry ready mix screed fiber reinforced

PRODUCT

weberfloor 600 SCR is a ready mixed cementitious screed made with selected aggregates, additives and fiber. Ready to use, **weberfloor 600 SCR** is to be simply mixed with water on site. It can be used to level the surface prior to the installation of other floor products such as **weberfloor smooth FD** or **weberfloor 535 FD**. Tiles can be laid down on top of **weberfloor 600 SCR** after screed has fully acquired its compressive strength.

SCOPE OF USE

Particularly recommended for residential floor screed, housing, hospitals, industrial floor and car park.

CHARACTERISTICS

Appearance	Grey powder
Grain size	< 5 mm
Flexural Strength	> 6 Mpa at 28 days ASTM C 580-02
Compressive strength	20 MPa at 7 days > 30 MPa at 28 days ASTM C 109-02

INSTRUCTIONS FOR USE

IN CASE OF BONDED SCREED

- Concrete substrate should be at least 3 months old and structurally stable (Residual moisture <4%).
- Concrete must be crack free. Thus, any crack must be repaired prior to application.
- 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 reaching a sound rough concrete. This can be achieved primarily by shot-blasting otherwise by medium scarifying or grinding.
- The prepared surface must have an average "surface tensile adhesion strength" greater than 1 MPa. Moreover, it should have CSP (concrete surface profile) of 6 - 8.
- Then, the substrate must be vacuumed, and primed with **weberfloor 4716**.
- Soft strips to be fixed as a separation between the walls/columns and the screed before proceeding with the application.
- Weber doesn't warrant any defect due to concrete substrate movement.



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	-	25 Kg	25 Kg	25 Kg	25 Kg	25 Kg
-	-	-	50 Kg	50 Kg	50 Kg	50 Kg	50 Kg

PRIMER APPLICATION

- **weberfloor 4716** must be brushed into the substrate using soft brush. Primer's puddles should be avoided.
- **weberfloor 4716** must be applied on one or two coats depending on the substrate
- For dry and porous substrate, dilute first coat of **weberfloor 4716** with water at the ratio 1:5. Allow to dry a clear film before applying the second layer with a dilution ratio 1:3
- For dense concrete, apply one coat of **weberfloor 4716** diluted at the ratio 1:3
- **weberfloor 600 SCR** should be applied as soon as the colour of the primed surface change from white to clear.

In case of un-bonded and floating screed

- Start by fixing soft strips (5 to 10mm thicknesses) as a separation between the walls / columns and the screed.
- Lay down thick Polyethylene sheets (200 to 250 micron) on the substrate.
- Make sure that the Polyethylene sheets overlaps for around 30cm.
- Make sure that the Polyethylene sheets ride over the corners and the vertical edges surrounding the screed to cover them for around 20cm.
- Lay a 10x10 mm alkali resistant fibre mesh overlapped for around 30cm or 100x100 mm galvanized steel mesh. The mesh should be fixed in a way to persist floating on around 1/3 of the layer thickness.

PRODUCT PREPARATION

Mix a 50 kg **weberfloor 600 SCR** bag with 5 to 6 liters clean water using a concrete mixer or a mixing machine. Half quantity of water is required for 25 kg package.

Pour the mixed material on to the substrate and spread it with a steel trowel, for a thickness up to 5 cm. Control joints in the existing substrate should be respected. For large area, joints should be created every 25 m².

Avoid fast drying in case of hot temperature or wind by regular curing.

PRODUCT APPLICATION

- Limit the work areas into manageable sections for maximum 25 m². Reduce the width of the work area when applying in warmer temperatures.
- Pour the mixed material onto the prepared surface, then immediately spread it with a large metal trowel to aid in leveling the surface.
- In case of floating application, a minimum thickness of screed should be respected. Kindly consult the technical department for more details.
- Always keep a wet edge of material to pour fresh material into.
- Protect the material from wind and direct sunlight during and after installation.
- Cover the freshly applied screed with a plastic sheet for 7 days as soon as the it becomes walkable alternatively **weberfloor 600 SCR** can be cured with water for 7 days (3 to 5 times per day).
- Ideal application temperature is between +5 °C and + 35 °C.

CONSUMPTION

22 kg/m² /cm 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.

PRECAUTIONS

- It is preferable to subdivide the total area of application in smaller ones not exceeding 25 m² each in order to facilitate the application of **weberfloor 600 SCR**.
- All existing movement/expansion joints in the base should be maintained and continued through the **weberfloor 600 SCR**.
- It is advisable to leave control joints each 25m². Rectangular shape is preferable making sure that the length not exceed-ing 15m.

- In case of corridors, it is recommended to fix control joints on each 15 linear meters and in each connection between corridor and room. The joints should be sealed with **jointseal PU**.

- In hot and dry weather, it is preferable to apply the product early morning or late afternoon.
- Avoid work under heavy windy condition where the product may dry fast and cracks might appear.
- All the opening (windows, doors) should be closed in order to reduce the effect of wind during the application and while the applied area still fresh. Any applied materials should be protected from sun light.
- After usage, clean tools with water. It is recommended to use protective gloves. 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.
- Wait from 3 to 8 weeks before applying an overlayment.
- For additional information, please contact our technical support department or one of our Sales Engineers.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable to do the application a well ventilated area, to wear protective gear for hands, eyes and respiratory system and to avoid dust inhaling. 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.

NOTE

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