weberfloor 630 TSC

Pre-mixed fiber reinforced floor screed



Flooring

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
25kg	25kg	25kg	25kg	25kg	25kg	25kg	25kg
50kg	50kg	50kg	50kg	50kg	50kg	50kg	50kg

PRODUCT

weberfloor 630 TSC is a pre-packaged screeding mix based on Portland cement, synthetic fibers, specially graded aggregates plus a blend of synergistic admixtures. **weberfloor 630 TSC** is ready to use on site and when mixed with water produces a trowelable floor screed which is applied to new or existing concrete. The mix design is readily mixed to produce a screeding consistency that is easily applied and finished. The cured material develops high ultimate compressive and mechanical strengths.

SCOPE OF USE

Topping of concrete and cementitious floors.

CHARACTERISTICS	
Color	Grey powder
Grain size	<5mm
Compressive strength	>30MPa at 28 days
Flexural strength	>5MPa
Recommended layer thickness(1)	30-80mm
Shrinkage (28 days)	<0.6mm/m
Wet density	2.1kg/lit

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

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 1MPa. 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.

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
- **webefloor 630 TSC** 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 10x10mm alkali resistant fibre mesh overlapped for around 30cm or 100x100mm 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 50kg **weberfloor 630 TSC** bag with 5.5lit of clean water (25kg with 2.75lit) using a concrete mixer or a mixing machine. Excess water weakens the strength and increase shrinkage; therefore water must not be overdosed. Mix for around 2 minutes until lumps free mix is obtained. Make sure that the mixed material has a temperature not exceeding 30°C (use ice if necessary to cool down water). Allow the material to rest for 1 minute. Then mix it for 30 sec. Start the application.

PRODUCT APPLICATION

- Limit the work areas into manageable sections for maximum 25m^2. 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 630 TSC** can be cured with water for 7 days (3 to 5 times per day).
- Ideal application temperature is between +5°C and + 35°C.

PRECAUTIONS

- It is preferable to subdivide the total area of application in smaller ones not exceeding 25m^2 each in order to facilitate the application of **weberfloor 630 TSC**.
- All existing movement/expansion joints in the base should be maintained and continued through the **weberfloor 630 TSC**.
- It is advisable to leave control joints each 25m^2. Rectangular shape is preferable making sure that the length not exceeding 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 **weber 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.
- 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.
- 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.

CONSUMPTION

22kg/m^2/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.

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.

SAINT-GOBAIN

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