

## Pre-mixed fiber reinforced floor screed

### PRODUCT

**weberfloor 628 LD** is a pre-packaged screeding mix based on Portland cement, synthetic fibers, specially graded aggregates plus a blend of synergistic admixtures. **weberfloor 628 LD** 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.

### SCOPE OF USE

Topping of concrete and cementitious floors.

### CHARACTERISTICS

Appearance	Grey powder
Grain size	< 5 mm
Compressive strength	20 MPa @ 28 days
Flexural strength	> 2.5 MPa at 28 days
Recommended layer thickness (i)	30 – 80 mm
Wet density	1.9

(i) If the maximum screed thickness required is 30 mm or less, **weberfloor 515 PSC** should be used.

### 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 1 MPa. Moreover, it should have CSP (concrete surface profile) of 6 – 8.

Then, the substrate must be vacuumed, and primed with **weberfloor 4716**.

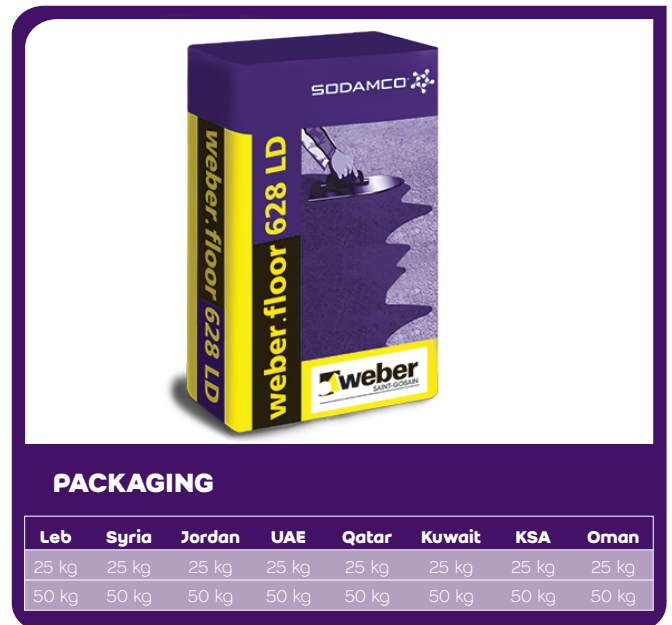
Soft strips to be fixed as a separation between the walls/columns and the screed before proceeding with the application.

Weber doesn't warrant any defect due to concrete substrate movement.

#### 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



### PACKAGING

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

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 628 LD** 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 30 cm.

Make sure that the Polyethylene sheets ride over the corners and the vertical edges surrounding the screed to cover them for around 20 cm.

Lay a 10x10 mm alkali resistant fibre mesh overlapped for around 30 cm 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 628 LD** bag with 5.5 liters of clean water (25 kg with 2.75 Liters) 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. Pour the mixed material on to the substrate and level it with a steel trowel.

Control joints in the existing substrate should be respected. For large area, joints should be created every 25 m².

## CONSUMPTION

19 kg/m²/ cm thickness approx.

## 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 in 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

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