

## Primer FST

### Description

Primer FST is een 1-componenten watergedragen acrylaat primer, die gekenmerkt wordt door een zeer snelle droging.

Very suitable for absorbent subfloors such as sandy cement screeds or non monolithic finished concrete

Also has good adhesion strength on ceramic tiles.

Primer FST is a fast-drying primer to be used under Under Cementitious SL or Alpha smoothing compound mortar.

### Properties

Water-based	
Solvent-free	
Good bonding properties	
Quick-drying	
Density <sup>1</sup> (g/cm <sup>3</sup> )	1,02
Viscosity <sup>2</sup> (mPa.s)	400 - 500
Solids content	+/- 37,5 %
Bond strength <sup>3</sup> (N/mm <sup>2</sup> )	> 1.5 ( Concrete breakage )

<sup>1</sup> = EN 12190, 14 dagen/ + 23°C / 50% R.H

<sup>2</sup> = Brookfield, LV4, 30 RPM, @ 23°C

<sup>3</sup> = EN 4624, 14 dagen/ + 23°C / 50% R.H

### Product shape

Liquid, milky white

### Packaging

10 kg bucket.

### Shelf life / Storage

Up to 6 months after production date in original, sealed, unopened and undamaged packaging, stored in a dry place between +5 °C and +30 °C.

### Processing

Always dilute this primer with clean tap water.  
For the primer/water ratio, see further on in this data sheet.

### System structure

**Primer:** Always use a layer of Primer FST under Quartzline Cementitious SL or Alpha levelling mortar.

Start in the furthest corner and work your way out. Apply the floor primer using a watering can with a fine nozzle, and spread with a soft broom. Let the primer dry until it is filmy, recognisable by its transparent sheen. Remove or distribute any primer puddles before finishing the floor. After filming, apply the floor mortar within 24 hours..

Mixing ratio and consumption:

Substrate	Mixing ratio primer/water	Usage
Sand-cement	1:3	300 - 500 g/m <sup>2</sup>
Monolithic concrete	1:1	150 - 250 g/m <sup>2</sup>
Wood	undiluted	300 g/m <sup>2</sup>
Linoleum	1:1	150 g/m <sup>2</sup>
PVC	1:1	150 g/m <sup>2</sup>
Tiles	undiluted	150 g/m <sup>2</sup>
Natural stone	undiluted	250 g/m <sup>2</sup>
Steel	undiluted	250 g/m <sup>2</sup>
Magnesite	1:1	250 g/m <sup>2</sup>
Cementitious levelling compounds	1:1	250 g/m <sup>2</sup>
Anhydrite	1:3	250 g/m <sup>2</sup>

Mixing ratio and consumption under a Quartzline gravel, marble or mortar floor:

Substrate	Mixing ratio / water	Usage
sand-cement	1:3	200 g/m <sup>2</sup>
Concrete	1:3	200 g/m <sup>2</sup>
Monolithic concrete	1:1	150 g/m <sup>2</sup>
Anhydrite	1:3	150 g/m <sup>2</sup>
Wood	undiluted	150 g/m <sup>2</sup>
Linoleum	1:1	150 g/m <sup>2</sup>
PVC	1:1	150 g/m <sup>2</sup>
Tiles	undiluted	150 g/m <sup>2</sup>
Natural Stone	undiluted	150 g/m <sup>2</sup>
Steel	undiluted	150 g/m <sup>2</sup>
Magnesite	1:1	250 g/m <sup>2</sup>
Cementitious levelling compounds	1:1	250 g/m <sup>2</sup>

**Primer consumption is indicative and depends on several factors.**

Highly absorbent subfloors should be saturated with "Primer FST" and used in the correct mixing ratio. This prevents the substrate from absorbing water from the levelling mortar. This prevents the substrate from absorbing water from the levelling mortar, which may not be able to harden properly.

**Finishing coat :** The following Quartzline floor systems can be used on Primer FST:

- Alpha SL Underlayment
- Cementitious SL Decorative
- Cementitious SL Constructive
- Cementitious SL Underlayment

### Consumption

Depending on the substrate, see tables previous page.

### Pre-treat the substrate

The substrate must be sound and sufficiently pressure-resistant (at least 25 N/mm<sup>2</sup>), with a minimum adhesive strength of 1.5 N/mm<sup>2</sup>.

The surface must be clean and dry and free from dirt, oil, grease and other contaminants.

Concrete substrates should be mechanically pre-treated by means of low dust blasting or notching to remove the cement skin and to obtain a roughened, adhesive and clean surface.

Remove weak concrete and loose cement-based levelling compounds. And fill surface damage, such as holes and hollow spaces, with Quartzline repair mortar MRP.

Before applying the primer FST, all dust and loose particles must be removed completely, preferably by means of a broom and/or industrial Hoover.

### Processing conditions

Substrate temperature:	Minimum 10°C, maximum +35°C
Room temperature:	Minimum 10°C, maximum +35°C
Moisture content of substrate:	< 4% moisture To be tested via carbide measurement.
Relative humidity	maximum 85% R.H.
Dew point:	Beware of condensation!

During drying, the humidity must not exceed 75% RH.

During the drying of the product ensure sufficient ventilation of fresh air to remove excess moisture. When the air is saturated, the film will NOT dry.

### Application

**On porous substrates:** On porous substrates, apply the primer using a watering can with a fine nozzle and spread it with a soft brush until the floor is saturated.

## **On non-porous substrates**

On non-porous substrates, apply Primer FST with a coat roller.  
Allow the primer to dry until filming takes place, recognisable by the translucent sheen.

Remove or distribute puddles of primer before finishing the floor. Apply a next layer within 24 hours after drying of the primer.

## **Notes**

At low temperatures and/or high air humidity, drying times are longer.

Primer FST is unsuitable for constantly humid areas and outdoor use

If heating is required, do not use gas, oil, paraffin or other fossil fuel burners, as these produce large amounts of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which can adversely affect the finish. For heating use only electrically powered warm air fan systems.

## **Value base**

All technical data in this product data sheet are based on laboratory tests. Data may change depending on circumstances.

## **Health and safety information**

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent Product Safety Data Sheet regarding physical, ecological, toxicological and other safety-related data.

## **Legal notice**

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All orders are accepted under the current conditions of sale and delivery. Users should always consult the most recent edition of the product safety data sheet for the product concerned. Copies will be provided on request