

## Applications

The G4 floor should normally be used only in applications that are exposed to minor variations in temperature and moisture and where there is no risk of exposure to chemicals. The concrete sub-floor should not have any long-term deformations as a result of shrinkage. Normally applications consist of floors directly on ground, entrances, toilettes, staircases and also new floors on old concrete, where mechanical stress is limited to pedestrian traffic or light trolleys with soft wheels.

The G 4 floor with FästBruk FB 1000 could together with CC Höganäs industrial tiles (thickness 14-20 mm) be used for floors which are subjected to heavy static and dynamic loads, and when tiling with large size tiles.

## Sub-floor

The sub-floor should consist of concrete with a surface that has been smoothed off with a float, or lightweight concrete with an even surface. The surface must be free from water puddles, dust, grease and oil. Variations in height should be levelled of.

The temperature should exceed +10°C .

**When using FB 13, FB 14 and FB 1000 the concrete surface should be at least 3 months old.**

**When using FB 12 the concrete surface should be at least 12 months old.**

## Tiling

The surface should be cleaned thoroughly. The length and breadth of the surface should be measured and the number of tile courses (including joints) should be calculated. The course intervals should be marked on a gauge float, which can be used during laying.

The adhesive should be prepared according to the instructions on the package.

When tiling large size tiles  $\geq 250 \times 250$  mm with Fix FB 12, RotFix FB 13 or SnabbRotFix FB 14, the back of the tile must be coated with a thin but fully covering layer of the adhesive prior to the tile being pressed or knocked into the previously applied adhesive (the so called buttering/floating method).

CC Höganäs FästBruk FB 1000 for bonding ceramic tiles, natural stone, large-size tiles or very densely sintered tiles to floors. Not suitable for thin glazed tiles or mosaics.

FB 1000 could together with CC Höganäs industrial tiles be used for floors which are subjected to heavy static and dynamic loads, and when tiling with large size tiles.



1. Spread the mortar with a trowel or spreader, working it well into the surface. Do not spread out more mortar than you can tile in approx. 10 minutes.



2. Then screed with a notched spreader held at right angles to the surface. **NOTE: Be sure to use the correct spreader according to the table.**

### Recommended spreader (toothing)

Type of tile	FB 1000	FB 12, FB 13, FB 14	
	Spreader	Spreader	Toothing mm
Smooth back (clinker)	FB 123	FB 123	$\varnothing$ 12
Smooth back (tiles or mosaic)	-	FB 121	$\varnothing$ 8
Studs	FB 123	FB 123	$\varnothing$ 12
Grooves	FB 123	FB 123	$\varnothing$ 12
Large tiles $\geq 250$ mm	FB 89	FB 89	$\varnothing$ 18

The spreader above gives a thickness of appr. 3-5 mm on the adhesive. Buttering/floating method increases the consumption with appr. 1.0-1.5 kg/m<sup>2</sup>.



3. Position the tiles according to the marks on the gauge float and press the tiles firmly into place. The position of the tiles can be adjusted up to 15 minutes.

To check adhesion, remove a few tiles immediately after fixing them. The backs should be completely covered with mortar. Take special care when bedding tiles with large profiles (studs or groves) on the back.

Adhesive that has squeezed out more than half the joint depth is scraped off.

The evenness of the surface of each newly laid section should be carefully checked with a gauge float and adjusted if necessary.

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**Curing and restricting traffic**

Newly laid floors should be closed to pedestrian traffic for 4-6 days.

**Jointing**

The surface can be grouted after 1-2 days with CC Höganäs Grout.