

## Applications

Standard Design, Code G10 is suitable for surfaces where the stresses are of such a kind that usual cement-based adhesives are not recommendable e.g at constructions with residual shrinkage and where big thermal movements are expected: large floor areas, floor with floor heating, balconier etc. For swimming-pools see special recommendation. The construction is flexible and can therefore resist limited movements in the base. The construction is suitable on concrete.

## Sub-floor

The sub-floor should be concrete with a floated surface. **Concrete surface should be at least 1 month old.** The surface must be free from water puddles, dust, grease and oil. The sub-floor should be laid to falls as necessary for any gullies or channels.

## 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.

## Mixing

Mix 1 part by weight of comp. A with 4 part by weight of comp. B in a mechanical mixer. The temperature should be +10/+25°C. Stir the mortar until a uniform and lump free paste is obtained. No water is allowed to be added. Leave the mortar approx 5 minutes and stir again for 1 minute. Pot life approx. 1 hour after preparation.



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

### Recommended spreader (toothing)

| Type of tile        | Spreader  | Toothing mm | Quant.rec. kg/m <sup>2</sup> |
|---------------------|-----------|-------------|------------------------------|
| Smooth back         | FB 123    | ø 12        | 4.5                          |
| Studs               | FB 123    | ø 12        | 4.5                          |
| Grooves             | FB 123    | ø 12        | 4.5                          |
| Large tiles ≥250 mm | FB 88/125 | 6x18x6      | 6.0                          |

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>.



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.**



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. When tiling large size tiles ≥ 250x250 mm 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).

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.

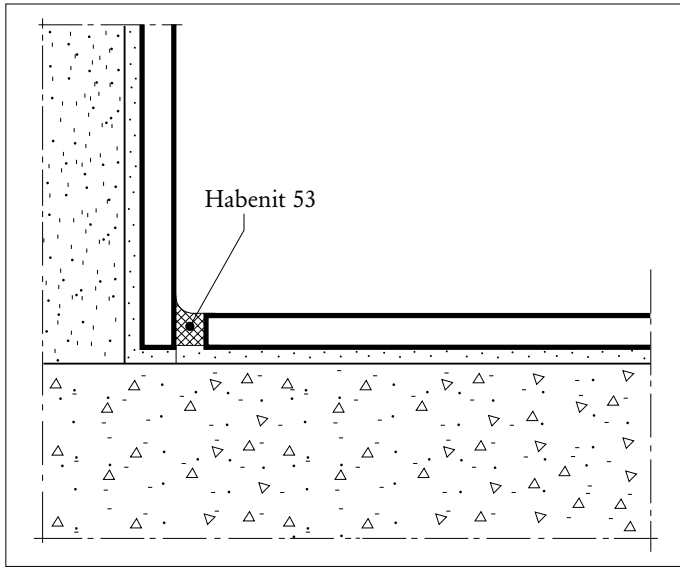
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## Jointing

The surface can be grouted after 1-2 days with CC Höganäs Grout.  
For floors subjected to grease use CC Höganäs epoxy-based  
Habenit 60 alt. Habenit 63.

## Movement joint

Large floor areas should be sectioned into appr. 40 m<sup>2</sup> areas and  
not have more than appr. 6 m sides. The floor lining should be  
separated by movement joints from walls, columns, foundations  
etc. As movement joint use CC Höganäs Habenit 53.



5. Movement joint CC Höganäs Habenit 53 at connection wall.