



1.0 Introduction

- Cemfloor is a self-levelling flowing screed flooring system comprising a cement binder, fine aggregate, proprietary additive, high-range water reducer, and water.
- Cemfloor is factory produced and delivered to site ready for use via mixer trucks, it is a plant mixed product.
- Cemfloor should only be installed by approved contractors, who have been trained to lay cement based flowing screed.

2.0 Pre-installation Guidelines & Preparation of Substrate

- Cemfloor screed **MUST** only be installed in a totally weather tight environment, this means that the building must be constructed and all windows and doors in place.
- Should windows or doors not be in place all apertures must be covered with polythene to create the required weather tightness.
- Cemfloor can be installed as an Unbonded or Bonded system.
- For both systems the substrate should be sound with the surface swept prior to installation; contaminants such as mud, dirt, organic matter, water and construction debris should be removed.
- A minimum 5mm thick compressible border strip should be applied around walls and all upstands, columns, piers, and pipes.
- Maximum bay sizes of 150m² can be placed without the need for construction joints. Joints should also be placed at all doorways.

3.0 Installation of Cemfloor screeds

- Before pumping commences each load of Cemfloor should be tested for workability and if required adjusted accordingly. The target flow for this product is 230 to 260mm.
- To increase the flow of cemfloor screed by 10mm; 5 litres of water per metre of screed can be added. (i.e. To increase the flowability of a 5m³ load of cemfloor by 10mm; add 25 litres of water.)
- Care should be taken to avoid leading edges being left open for any length of time. Fresh deliveries of cemfloor must always be well blended in using the dappling bar/brush.
- The screed is placed to the desired level; with reference to the pre-set level indicators.



4.0 Finishing Process

- Using a dapple bar/brush level the screed in one pass.
- Complete levelling process by passing over the screed in the opposite direction to the first pass using the dapple brush, making sure the full depth of the brush is pushed into the screed.
- Apply a suitable curing agent to the levelled screed. A knack sack spray is recommended; as the curing agent can then be applied during the second pass with the dapple brush. (Contact Screed Manufacturer to for details on suitable curing agents).

5.0 Curing Process

- Once the screed has been placed and finished, the room needs to be sealed for a minimum of 24 hours in the summer and 48 hours in the winter until the initial set has being completed.
- The slab will be ready for foot trafficking at this point
- After the 24-48 hours, doors and windows should be opened to allow ventilation to assist in the drying process. These should be closed over-night and then re-opened the following day.

6.0 Drying and final floor preparation

- Cemfloor screed should be adequately dried to the required relative humidity depending on the floor covering being applied.
- A suitable test method should be carried to ensure that the slab is adequately dry.
- The drying time is depended on the drying conditions, the depth of the slab and the final relative humidity content required.
- After 7-Days Cemfloor Screeds can be force dried using dehumidifiers and underfloor heating.
- Underfloor heating should be commissioned in accordance with the manufacturers guidelines.
- Prior to floor coverings being applied the floor should be cleaned of debris, lightly abraded with a suitable sand paper (if required), swept and then vacuumed.

7.0 Contact Details

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