



1.0 Introduction

- Cemfloor is a specially formulated additive that is used to create self-levelling cementitious floor screeds.
- Cemfloor is produced in an ISO 9001 quality-controlled environment. Self-levelling screeds produced with Cemfloor meet the requirements of EN 13813:2002 'Screed Material for Floor Screeds'.
- Cemfloor screeds should only be produced by approved batching plants, who have been trained in the mixing process and approved by McGrath's Quarries (Cong) Ltd to supply cemfloor screeds.

2.0 Delivery & Storage

- Cemfloor additive is delivered to batching plants via bulk tankers.
- Cemfloor additive should be stored in a designated silo. The silo should be cleaned and any residual of different materials removed.

3.0 Cemfloor Screed Mix Design

- Cemfloor Screed will be designed to suit the materials available to the Batching Plant. It is important to ensure that the quality of the mixing materials is consistent to ensure consistent performance of cemfloor screed.
- The mix design will be carried out by McGrath's Quarries (Cong) Ltd.
- Altering of the mix design is **not** permitted without consulting McGrath's Quarries (Cong) Ltd.
- It is recommended to use CEM I in the production of cemfloor screeds.



- GGBS, PFA, recycled and light weight aggregates are not suitable for use in cemfloor screeds.
- Cemfloor is compatible with almost all superplasticisers. Contact McGrath's Quarries (Cong) Ltd. for further information regarding the suitability of superplasticisers.
- Retarding admixtures can also be used in cemfloor screeds if an extended open time is required.

4.0 Batching of Cemfloor Screeds

- Cemfloor screeds can be produced in either a wet or dry batching plant.
- Wet Batching:
 1. All dry materials are added to the mixer and mixed for approx. 30 seconds.
 2. 90% of the total quantity of water is added and mixed for approx. 30 seconds.
 3. The remaining water and the super plasticisizer is added and mixed for 5 minutes to ensure the screed is mixed homogenously.
- Dry Batching:
 1. 85% of the total quantity of water is added to the mixer truck.
 2. The cement and cemfloor additive is then added and mixed for approx. 1 minute.
 3. The Sand is then added to the mixer and mixed for approx. 1 minute.
 4. The remaining water and the super plasticisizer is added and mixed for 15-20 minutes to ensure the screed is mixed homogenously.



- After mixing is completed it is recommended to carry out a flowability test to check that the screed has the required flowability of 230mm–260mm.

5.0 Contact Details

- Tel. 094–9553900
- Email - info@mcgraths.ie
- Website - www.mcgraths.ie