

UNDERFLOOR HEATING GUIDELINES

Introduction

Gallaflo flowing screeds are cement based flowing screeds. Due to Gallaflo's self-compacting properties it is ideally suited for use with underfloor heating systems. Gallaflo totally encapsulates the underfloor heating pipework and eliminates air voids which ensures optimal heat transfer from the heating pipework to the screed surface.

Gallaflo can also be installed at much thinner depths compared to traditional sand and cement which ensures ultimate controllability of the underfloor heating system.

Installation

- Gallaflo flowing screeds 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.
- Installation should be carried out by a specialist screeding contractor who has been approved to place Gallaflo.
- For heated screeds there must be a minimum of 25mm screed cover over the top of the underfloor heating pipes.

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 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 overnight and then re-opened the following day.
- After 7 days the underfloor heating system can be commissioned.

Commissioning of the Underfloor Heating System

After 7 days the underfloor heating should be commissioned as follows:

- Switch on the system to run at a flow temperature of 5°C greater than the temperature of the room where the screed is placed.
- Increase the flow temperature in increments of 5°C per day until a maximum flow temperature of 50°C is reached. Leave at this temperature for a minimum of 3 days. (If force drying of the screed is required then the heating system can be left running until the screed has dried out to the required moisture

content).

- Reduce the flow temperature by 10°C per day down to 20°C before switching off and allowing to cool (typically for 48 hours).
- The commissioning of the underfloor heating should be carried out by an approved underfloor heating contractor and if possible the commissioning sequence should be recorded.
- These are guidelines only and are to be used in conjunction with an underfloor heating specialist.

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