

## ON-SITE PROCEDURES

### Introduction

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

### Pre-installation Guidelines and Preparation of Substrate

- 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.
- Gallaflo flowing screeds 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 150m<sup>2</sup> can be placed without the need for construction joints. Joints should also be placed at all doorways.

### Installation of Gallaflo

- Before pumping commences each load of Gallaflo should be tested for workability and if required adjusted accordingly. The target flow for this product is 230mm to 260mm.
- To increase the flow of Gallaflo screed by 10mm; 5 litres of water per metre of screed can be added. (i.e. to increase the flowability of a 5m<sup>3</sup> load of Gallaflo 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 Gallaflo 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.

## 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/bar.
- 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 for details on suitable curing agents).

## 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 overnight and then re-opened the following day.

## Drying and Final Floor Preparation

- GallaFlo 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 GallaFlo can be force dried using dehumidifiers and underfloor heating.
- Underfloor heating should be commissioned in accordance with the manufacturer's 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.

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