

# ON SITE PROCEDURES

## TOPFLOW SCREED C BELITEX

The following outlines the recommended site procedures for the installation and subsequent post installation care of Tarmac's Topflow Screed C Belitex flowing screed.

*This document will outline the following;*

1. **Pre Installation Guidelines**
2. **Installation Process**
3. **Finishing Process**
4. **Post Installation Guidelines**
5. **Drying and Floor Preparation**

### 1. PRE-INSTALLATION GUIDELINES

- 1.1 Topflow Screed C Belitex 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.
- 1.2 Should windows or doors not be in place all apertures must be covered with polythene to create the weather tightness. (There is no need for this polythene to be opaque)
- 1.3 8mm miothene must be placed around the perimeter of the building and around columns and manhole covers etc that lie within the cast floor. (This needs to increase to 10mm when using underfloor heating pipes)
- 1.4 Recommended pour depths  
 UNBONDED 50mm  
 FLOATING OVER INSULATION RESIDENTIAL 35mm  
 FLOATING OVER INSULATION COMMERCIAL 40mm  
 OVER UNDERFLOOR HEATING 30mm COVER TO PIPE
- 1.5 Ambient internal temperatures should not fall below 5oC and should be maintained at this level for 48 hours once the floor has been cast.

### 2. INSTALLATION PROCESS

- 2.1 Target flows on site should be 260 to 280mm
- 2.2 Slump adjustment should be done in accordance with the table below:

Volume of Screed (m <sup>3</sup> )	Water addition per 10mm increase in flow (litres)**
1	5
2	10
3	15
4	20
5	25

- 2.3 The pump line should be primed in the following way - 50% Belitex and 50% water. Take the Belitex from the truck mixer, add water, mix, run slurry through the pipeline.
- 2.4 Ensure that the slurry is caught in a drum/bucket at the point of discharge and not allowed to flow into the floor area

**WARNING CEMENT SLURRY MUST NOT BE USED**  
 - if this is allowed to happen, you will experience a flash set

- 2.5 Place screed to desired level

### 3. FINISHING PROCESS

- 3.1 Using a dapple bar level screed - one pass only
- 3.2 Spray activator (matadur), **dosage 1.0 litre per 20m<sup>2</sup>** (note - it is better to over apply than under apply). Ensure adequate activator is sprayed in areas of restraint ie doorways, re-entrant corners).
- 3.3 Complete finishing process by passing over the screed in the opposite direction to the first pass using the dapple brush, making sure the brush is pushed into the full depth of the screed.

#### **THIS PROCESS ACTIVATES THE INITIAL SET.**

- 3.4 Once this process is completed, the set will activate within 20 – 30 minutes, so care should be taken not to over finish the screed once the process has started as this will impact on the finished levels achieved.

### 4. POST INSTALLATION GUIDELINES

- 4.1 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.
- 4.2 After this point, 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.
- 4.3 The slab will be ready for foot trafficking at this point.
- 4.4 Stud wall and partitioning can commence 7 days after casting the slab.

### 5. DRYING AND FLOOR PREPARATION

- 5.1 At 14 days place a rubber mat / polythene sheet on the screed, this should be lifted and moved daily until there are no signs of darkening underneath the cover. This will indicate the floor is dry.
- 5.2 At 14 Days place a hair hygrometer on the floor and leave for 24 hours, the reading should be at 75% RH, at this point the floor is ready to take ceramic floor coverings.

#### **ALL OTHER COVERINGS SHOULD BE PLACED AT 21 DAYS**

- 5.3 Prior to floor coverings being applied the floor should be cleaned of debris, lightly abraded with 60 grit sand paper (if needed), swept and then vacuumed.
- 5.4 The floor should be primed prior to the application of floor coverings to meet manufacturer's guidelines.
- 5.5 Topflow Screed C Belitex is compatible with all cement based adhesives.

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**CHRYSO** **TOPFLOW**  
SCREED C BELITEX

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