

# On-site procedures

*TOPFLOW* Screed C  
using **CHRYSOFLOOR®**  
technology

## Topflow Screed C

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

### PRE-INSTALLATION GUIDELINES

Topflow Screed C 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 with ambient temp above 5°C.

Should windows or doors not be in place all apertures must be covered with polythene to create the weather tightness. (Preferably the polythene should be opaque). If this guidance is not followed aesthetic issues with the floor may be encountered. Additional measures may be required in this situation to maintain the internal temperature of the property above 5°C for 48 hours.

10mm miothene or a similar product, must be placed around the perimeter of the building and around columns and manhole covers etc that lie within the cast floor.

Recommended pour depths

- **BONDED 30mm min nominal 50mm**
- **UNBONDED 30mm min nominal 50mm**
- **FLOATING OVER INSULATION RESIDENTIAL 35mm**
- **FLOATING OVER INSULATION COMMERCIAL 40mm**
- **OVER UNDERFLOOR HEATING 30mm cover to pipe**

Ambient internal temperatures should not fall below 5°C and should be maintained at this level for 48 hours once the floor has been cast.

### INSTALLATION PROCESS

Target flows on site should be 260 ± 20mm (subject to local materials).

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	3
2	6
3	9
4	12
5	15

The pump should be primed in either of the following ways:

- 75% Screed C to 25% water - take screed from the truck, add water and mix
- Cement grout
- Paste and water.

The following should then be followed:

- Run slurry through pipeline
- Ensure slurry is caught in a drum/bucket at the point of discharge
- DO NOT allow the slurry to flow into the prepared floor
- If this is allowed to happen it may impact on the final finish achieved and the long-term performance of the hardened screed.

Place screed to desired level and surface finish.

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### FINISHING PROCESS

#### Topflow Screed C

Using a dapple bar level screed – 2 passes recommended, second pass at a 90 degree angle to the first, 1st pass should be full depth of the screed, 2nd pass a light dapple to the surface.

Spray CHRYSOFLOOR® Evaporation Barrier to the surface after the 2<sup>nd</sup> pass with the dapple bar, dosage 1.0 litre per 10m<sup>2</sup>.

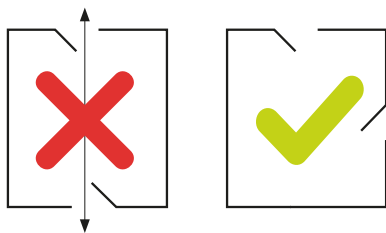
#### Topflow Screed C Cure

Supplied with an integral curing agent/moisture suppressant so no need for spray application.

### POST INSTALLATION GUIDELINES

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.

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.



During drying process, doors and windows should be opened to vent the buildings.

The slab will be ready for foot trafficking at this point.

Stud wall and partitioning can commence 7 days after casting the slab.

### DRYING AND FLOOR PREPARATION

Due to the nature of Topflow Screed C and its design make up, the screed will be ready for floor coverings at 21 to 28 days. Drying times are reliant on screed depth, ambient temperature and humidity, plus the choice of floor coverings.

Prior to floor coverings being applied best practice is to clean the floor of debris, lightly abrade with 60 grit sand paper (if needed), sweep and then vacuum.

The floor should be primed prior to the application of floor coverings to meet manufacturer's guidelines.

Topflow Screed C is compatible with all cement based adhesives. See Post Installation Flooring Guidelines Datasheet.

### JOINTING

- Across all internal door thresholds
- Non heated floors 150m<sup>2</sup> without joints
- Heated floors 100m<sup>2</sup> without joints
- Joints should be formed between all independent heating zones and between heated and non-heated areas.

**TOPFLOW**  
SCREED C

**CHRYSO**



The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

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