

Site guidelines

Topflow Screed C

TESTING PROCESS

On arrival at site the following procedure must be followed:

- Truck to mix screed on full revolutions for 2 minutes to ensure consistency of material
- Flow test to be taken and flow recorded. Seek advice from Tarmac's Technical team on the optimum flow for the material package you are using. If water is required to bring the flow to the required level, it should be added to the truck at this time. See Table 1 for water addition rates.
- Addition of water above the correct flow rate will impact on the screeds strength and drying time and may result in the formation of Laitance that will have to be sanded and removed at 7 days. Failure to remove the laitance will increase drying times.
- Pump to be primed using one of the following
 1. Cement grout
 2. 75% screed -25% water
 3. Grouting paste and water

The grout or priming mixture **MUST** be collected and not allowed to flow into the slab. Failure to collect the grout/priming mix will impact on the finished floor.

- Screed is then to be dappled twice, the second pass at 90-degree angle from the first.
- Evaporation Barrier to be sprayed as you complete the second pass - suggested product
- Chryso Screed Finish EBA?
Contact Number -01327 707976

SUB FLOOR

It is imperative that the sub floor is well cast and of a flat consistent tolerance, before the screeding takes place. Any insulation must be stable.

SEPARATING MEMBRANE

Due to the fluidity of the screed, it is essential that a separating membrane be placed over the floor/insulation boards. Joints within the slip membrane are required to be taped (300mm overlap) and sealed using a suitable tape. It is advised to use a minimum of a 500 gauge/125µm polythene membrane. This membrane is used to provide separating layer between the insulation and the screed. Foil back insulation reacts with screed impacting on the surface finish.

PERIMETER EDGE DETAIL

Placement of an 8-10mm extruded polyethylene compressible strip (including polythene skirt) must be placed around all external, internal walls and partitions also including vertical pipe ducts and anything else protruding through the slab. This should be fitted to the full depth of material.

EXPANSION/CONTRACTION JOINTS

We recommend the installation of expansion/contraction joints in all door thresholds to control the aspect ratios between rooms

- **Open Areas**
 - 150m² on unheated floors and an Aspect Ratio of 3:1
 - 100m² on heated floors, joints to be placed between independent heating zones and between heated and unheated floor areas.

CONDUITS

Conduits to be housed within the screed, such as under floor heating pipes must be well secured to the insulation boards using the correct fixing process for the specified system. The minimum screed cover, (30mm over the conduits), should always be achieved.

ENVIRONMENT

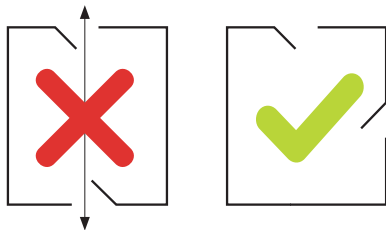
All windows doors and roof to be in place prior to pouring of the screed. The screed **MUST** be placed in a weather tight environment. If polythene is being used to cover open apertures, this ideally should be opaque.

Site guidelines

Topflow Screed C

POST INSTALLATION GUIDELINES

The screed should not be trafficked for 48 hours, all windows and doors should remain sealed for this duration. After 48 hours doors and windows should be opened to allow ventilation to assist in the drying of the screed. These should be shut at night and re-opened the following morning. The openings should be off set, as per diagram, to stop a wind tunnel effect.



INTERNAL TEMPERATURE

The temperature should be maintained at a minimum of 5°C for 48 hours after pouring the screed, if temperatures fall below this level, setting and drying times of the screed may be impacted.

UNDERFLOOR HEATING

Ensure that under floor heating pipes are secured with clips placed every 300mm. Minimum cover to the top of the pipe is 30mm.

COMMISSIONING UNDERFLOOR HEATING

Underfloor heating should always be commissioned before any floor coverings are installed. Details of the commissioning process can be found on Tarmac's underfloor heating datasheet.

SANDING

If the screed is placed at the correct flow, (water addition on site to increase flow above target may result in the formation of laitance which will need removing at 7 days to aid drying) sanding will not be required, but we recommend that the screed is Abraded to provide a mechanical key for primers and adhesives prior to the application of your chosen floor coverings.

DRYING TIMES

Provided the installation instructions are followed, the floor should reach a RH of 75% at 21 to 28 days. Please see our post-installation guidance and underfloor heating datasheets for further information.

ACCESS TO SCREED FOR FOLLOWING TRADES

- Foot Traffic - 48 Hours Light loading
- Step ladders, light building materials 72 Hours
- Heavy Traffic, plasterboard stacks, Heavy M+E, Mortar Tubs -7days minimum
- Scissor Lifts and MUWPs- 7 days minimum. We recommend a maximum weight of 1300kg. Please be aware that the kPa value of the insulation, as well as the strength of the screed, will be a wcritical factor in the use of scissor lifts and MUWPs. It is recommended that running boards are placed over the screed to help in reducing the damage scissor lifts can cause.

Volume of screed (m ³)	Water addition litres /m ³ for an increase of flow by 10mm
1.0m ³	3
2.0m ³	6
3.0m ³	9
4.0m ³	12
5.0m ³	15
6.0m ³	18

Typical Screed Depths

- Bonded – 30mm Minimum -Nominal 50mm
- Unbonded – 30mm Minimum - Nominal 50mm
- Floating over insulation
 Domestic 35mm Minimum - Nominal 50mm
 Commercial 40mm Minimum - Nominal 50mm
- Over underfloor heating pipes/conduits – 30mm cover to the top of the pipe.
- Screed pour at depths over 50mm may impact on drying times.

TOPFLOW
 SCREED C



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.

For more details contact:
topflowscreed@tarmac.com