USES
Topflow Screed A is a blend of synthetic Calcium Sulphate binder, special additives and selected aggregates mixed with clean potable water to produce a flowing pumpable screed (manufactured to BSEN 13813:2002) which is ideal for application over warm water and electric underfloor heating systems. Topflow Screed A is ideally suited for underfloor heating, it fully envelopes the heating element, eliminating air voids and honeycombing. This enhances heat transfer between the pipework and screed giving higher thermal conductivity (2.0w/mK +/- 0.2) nominal covering to the pipe (30mm) results in improved reaction times at reduced flow temperatures.

SPECIFIC FEATURES
- Fully encapsulates heating conduits
- Elimination of voids and maximised thermal efficiency
- Rapid response and controllability
- Reduced depth allows more insulation

Temperature across screed surface 80 mins after turning underfloor heating on.

TYPICAL SCHEMATIC INSTALLATION
KEY INSTALLATION POINTS
Pipes or cables must be securely fixed to prevent floatation and lifting during application of the screed. Pipes should be pressurised in accordance with BS 1264:2001:4. Nominal cover to pipes 30mm. Nominal cover to cables 40mm. If required surface laitance must be removed prior to commissioning of underfloor heating.

HEATING PERFORMANCE DATA
Comparison of surface temperature between Topflow Screed A and sand and cement.

It can provide a higher performing floor with a wider UFH pipe spacing vs sand and cement.

Heating must be commissioned and run in accordance with manufacturer’s instructions prior to application of the floor finish. Expansion joints should be used between different heating zones and at door thresholds. (Refer to relevant data sheet for bay sizes and aspect ratios, or contact your local Tarmac representative for advice). For drying procedures please refer to Drying Data sheet.

Maximum surface temperature of Topflow Screed A and sand and cement.

Surface response of Topflow Screed A vs sand and cement over the first 2 hours.

For more details contact topflowscreeda@tarmac.com

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.