TARMAC
A CRH COMPANY

TECHNICAL INFORMATION

UNDERFLOOR HEATING
TOPFLOW SCREED C BELITEX

Topflow Screed C Belitex is made from a cementitious binder, special additives and selected aggregates. These are mixed with clean potable water to produce a flowing pumpable screed (manufactured to BSEN13813:2002). This is ideal for applications over warm water and electrical underfloor heating systems.

Topflow Screed C Belitex fully envelopes the heating pipe eliminating air voids and honeycombing. This enhances heat transfer between the pipe and the screed giving higher thermal conductivity than conventional sand cement screeds.

- **Sand cement screeds (1.1w/mK)**
- **Topflow Screed C Belitex (1.7w/mK).**

Nominal covering to the pipe (30mm) results in improved reaction times over traditional sand cement coverings usually placed at 60mm cover to the pipe.

KEY INSTALLATION POINTS

Pipes must be securely fixed to prevent floatation and lifting during the application of the screed. Pipes should be pressurised in accordance with BS1264:2001:4.

COMMISSIONING PROCESS

The commissioning process should not be started until the screed is a minimum of 14 days old. Starting the heating cycle too early may cause thermal shock and cause the screed to crack. Please follow the guidelines below.

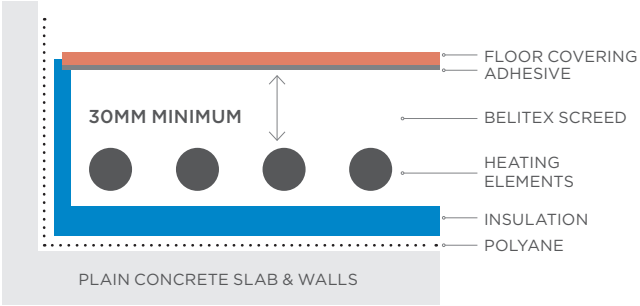
From Day 14

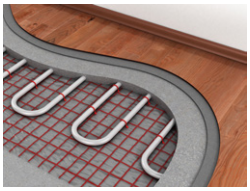
- Day 1 - set temperature to 5°C above ambient
- Day 2 onwards - increase temperature by 5°C a day up to a running temperature of 40°C
- Hold for 3 Days
- Reduce by 10°C per day down to 20°C
- Turn heating off for two days
- Check moisture (typically 75%RH) (Either a rubber mat, polythene sheet or hair hygrometer as per post installation guidelines)
- Install floor coverings

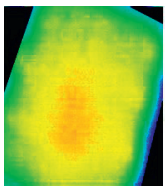
JOINTING

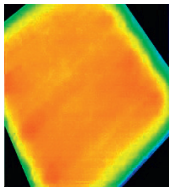
Bays of up to 250m^2 can be installed over underfloor heating pipes, however joints should be formed between different heating zones operating off separate manifolds and between areas of heated and unheated floors.

TYPICAL FLOOR MAKE UP INCLUDING UNDERFLOOR HEATING PIPES









CHRYSO TOPFLOW SCREED C BELITEX

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