

First Choice over Under floor Heating

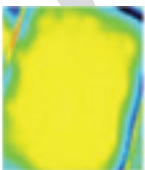
Description

Gyvlon Flowing Screed is a blend of Gyvlon Binder and selected aggregates mixed with clean water to produce a flowing pumpable screed, which is ideal for application over both warm water and electric under floor heating systems

Key Features

- Produced to a controlled flowable consistency to fully encompass heating pipes
- Elimination of voids resulting in uniform heat transfer and maximised thermal efficiency of the under floor heating system.
- Reduced screed depth when compared to traditional sand cement screeds minimising heat storage, resulting in a floor which responds rapidly to user requirements.
- Extremely low shrinkage - can not curl and minimises the risk of cracking.
- Does not require reinforcement.
- Increased productivity - 500-1000 m² per day can be easily achieved.
- Heating systems can be commissioned in accordance with BS1264:2001-4 clause 4.4, 7 days after application of the screed.
- Minimal thermal expansion (0.012/Mk).
- Excellent thermal conductivity (2.2W/Mk).

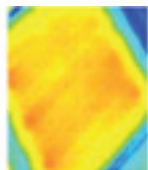
Sand Cement



Surface Temperature



Gyvlon Screed

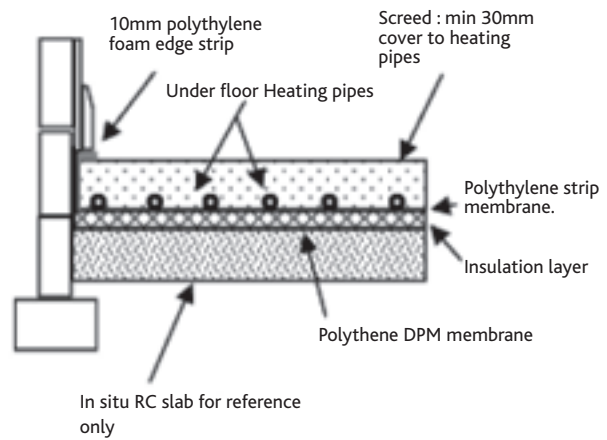


Temperature across screed surface 80 mins after turning floor heating on

- Environmentally friendly
- No curing required
- Ready for foot traffic in 24-48 hours.



Typical Schematic Installation



Key Installation Points:

- The area to be screeded must be made water tight to prevent leakage.
- The polythylene slip membrane installed over the insulation must be overlapped and sealed to prevent loss of screed.
- Pipes or cables must be securely fixed to prevent floatation and lifting during application of the screed.
- Best practice is to fill pipes prior to application of the screed to check for leaks, this also reduces the risk of pipes floating whilst the screed is being poured.
- Ideal flow 230-250mm measured using the DIN1060 flow ring.
- Minimum cover to pipes or cables must be 30mm.
- If required surface laitance must be removed prior to commissioning under floor heating.
- Heating should be commissioned in accordance with BS1264:2001-4 clause 4.4 to accelerate force drying of the screed.
- Screed moisture content must be a maximum of 0.5% and 1.0% respectively prior to application of subsequent impermeable and permeable floor coverings.

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CONSTRUCTION

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