



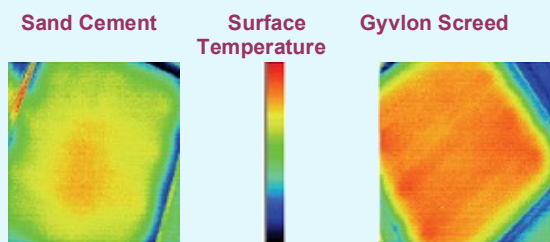
Underfloor Heating

DESCRIPTION

GYVLON FLOWING SCREED is a blend of **GYVLON BINDER** 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.

KEY FEATURES

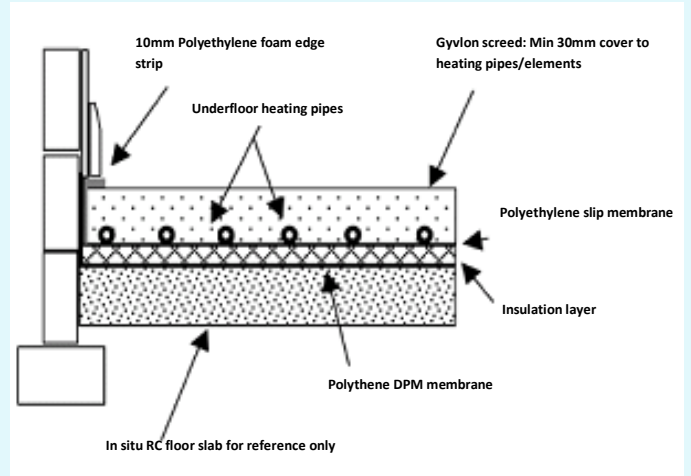
- Produced to a controlled flowable consistency to fully encompass heating pipes.
- Elimination of voids resulting in uniform heat transfer and maximised thermal efficiency of the underfloor heating system.
- Reduced screed depth when compared to traditional sand cement screeds minimising heat storage, resulting in a floor which responds rapidly to user requirements.
- Extremely low shrinkage - will 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, as early as 7 days after application of the screed
- Minimal thermal expansion (0.012mm/Mk).
- Excellent thermal conductivity (2.2W/Mk).



Temperature across screed surface 80mins after turning underfloor heating on

- Environmentally friendly
- No curing required
- Ready for foot traffic in 24-48 hours.
- Self compacting – fully encompassing pipes/cables.

TYPICAL SCHEMATIC INSTALLATION



KEY INSTALLATION POINTS

- The area to be screeded must be made watertight to prevent leakage.
- The polythene 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 of under floor heating to assist drying.
- Heating must be commissioned in accordance with BS1264:2001-4 clause 4.4 and run in accordance with manufacturers instructions to accelerate force drying of the screed prior to application of the floor finish.
- Screed moisture content must be a maximum of 0.5% and 1.0% respectively prior to application of subsequent impermeable and permeable floor coverings.
- Gyvlon recommend the use of floor thermostats with electric under floor heating elements.

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Calcium Sulfate binder
EN 13454-CAB-30



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