

DESCRIPTION

GYVLON Thermio+ FLOWING SCREED is a blend of **GYVLON BINDER**, **special additives** and selected aggregates mixed with clean potable water to produce a pumpable, self-smoothing, high thermal performance flowing screed (manufactured to BSEN 13813:2002).

USES

GYVLON THERMIO+ Flowing Screed is designed to provide a smooth level surface in both commercial and domestic buildings where high thermal performance is a design requirement. Thermio+ screed when used in conjunction with under floor heating systems will provide a highly efficient screed medium for heat dispersion due to a high diffusivity and certified minimum thermal conductivity level.

(Where higher loadings are expected, special attention should be paid to the loading characteristics of the insulation being specified).

For advice on specifications and for proprietary systems contact your Gyvlon Area Technical & Specifications Manager.

FEATURES

- Increased productivity - 2000m²/day can be easily achieved.
- Self-compacting
- Self-curing.
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days
- Extremely low shrinkage - does not curl and minimizes the risk of cracking.
- Avoids the need for reinforcement.
- Significantly reduced thickness when compared to traditional sand - cement screed
- Large bay sizes of up to 300m² depending on application (non-heated floors 1000m²).
- Can be force dried as early as 7 days after application.
- Weight saving as a result of thinner section.
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions
- Easily achieves SR2 finish as described in BS8204.
- Protein free - cannot harbour harmful bacteria.
- Non-combustible (tested to BS476 Part 4).
- Minimal Thermal expansion (0.012mm/mK).
- Designed for use with under floor heating
- (BBA - Certified minimum thermal conductivity **(2.3W/m.K / Nominal 2.5 W/m.K)**)
- Environmentally friendly

TECHNICAL DATA

Appearance/Colour:	Red/Pink fluid mortar
Water demand:	13-18 % b.w
pH:	> 10
Wet Density:	2280 kg/m ³
Dry Density:	2010 kg/m ³

Typical Screed Properties:

Compressive Strength:	>C 30.0
Flexural Strength:	> F8.0

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MINIMUM APPLICATION THICKNESS

Bonded:	25mm
In contact with substrate:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Under floor Heating:	(>20mm minimum) cover to pipes, heating elements.

DELIVERY

GYVLON THERMIO+ FLOWING SCREED is supplied ready mixed in bulk via a concrete plant and in trucks.

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application.

Please consult the relevant Health & Safety Data Sheets, available from the screed manufacturer on request and provided with each delivery.