

Flowing Screed Data Sheet

Description

Gyvlon Flowing Screed is a blend of Gyvlon Binder and selected aggregates mixed with clean portable water to produce a flowing pumpable screed.

Uses

Gyvlon Flowing Screed is designed to provide a smooth level surface in both commercial and domestic buildings prior to the application of floor finishes and is particularly suitable to application as a floating screed and for use within underfloor heating systems.

Key Features

- Increased productivity - 2000m²/day can be easily achieved (average 500-1000m²/day).
- Can be walked on in 24-48 hours
- Does not require curing.
- Extremely low shrinkage - does not curl and minimises the risk of cracking.
- Suitable for floating floor construction.
- Avoids the need for reinforcement.
- Ideal for use with underfloor heating systems enabling rapid commissioning of the underfloor heating system in accordance with BS1264:2001 - Part 4 clauses 4.4.
- Significantly reduces thickness when compared to traditional sand - cement screed.
- Weight saving as a result of thinner section.
- Large bay sizes of up to 30-40 linear metres depending on application.
- Dries at a rate of 1mm per day up to a screed depth of 40mm however this can be affected by adverse site conditions.
- Can be force dried as early as 7 days after application.
- 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).
- Excellent thermal conductivity (2.2KwmK).

Technical Data

Appearance/Colour	Off-white fluid mortar
Water demand	13-15% b.w.
pH:	>10
Wet Density	2200kg/m ³
Dry Density	2000kg/m ³

Composite Screed Properties (Typical)

Nominal 750kg/m³ Gyvlon Binder+Standard Sand to clause 5.1 of EN196-1: 1994 and 13% water

Flow: DIN 1060 Flow Ring	260mm
Setting Time: EN196-3: 1994.	Vicat
Initial Set	>300 mins
Final Set	<660 mins
Compressive Strength:	
3 days	>15 N/mm ²
28 days	>30 N/mm ²
Flexural Strength:	
3 days	>3 N/mm ²
28 days	>8 N/mm ²

Minimum Application Thickness:

Bonded:	25mm
Partially Bonded:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Underfloor Heating:	30mm minimum cover to pipes.

Delivery

Gyvlon Flowing Screed is supplied in bulk via a concrete plant in 5m³ mixer trucks.

Health and 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 Lafarge on request and provided with each delivery.



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CONSTRUCTION

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