

Premflow Gyvlon Thermio Screed

DESCRIPTION

Free flowing pump applied floor screed for use with underfloor heating.

Marshalls Premflow Thermio screed is a factory produced flowing Anhydrite based floor screed. Premflow Thermio has been designed for use over underfloor heating. Its high thermal conductivity make it ideal for use with all underfloor heating systems.

Premflow Gyvlon Thermio is fully BBA approved, and 3rd party verification through CSTB in France.

Marshalls Premflow screeds are manufactured to the BS EN 13813 requirements, under the ISO 9001 Quality Scheme, and regularly tested to the latest British and European Standards.

Premflow Thermio with a carefully selected admixture provides a screed with a guaranteed minimum thermal conductivity of 2.3w/mk.

BENEFITS

- Performance. Up to 30% increase in thermal emission value for maximised underfloor heating performance
- Comfort. Up to 80% of thermal diffusivity for a much faster ramp-up in temperature
- Savings. Up to 8% on heating bills
- Low inertia, nominal 20mm cover over heating pipes
- Fast installation – Marshalls Premflow can be installed at up to 200m² per hour
- Suitable for foot traffic 24-48 hours after placing.
- High strength, Premflow Thermio typically C35/F6
- Marshalls Premflow requires no manual compaction or reinforcement
- Premflow is less prone to shrinkage than cement based screeds, and requires fewer construction joints. Consideration should be given to thermal joints in heated screeds. BS8204 part 7
- The Premflow binder is 98% recycled, and is ergonomically friendly (no cement burns)
- Excellent surface finish, easily achieves SR2, and can receive floor coverings such as tiles, wood, carpet and vinyl
- Premflow Thermio is protein free and doesn't harbour bacteria
- Premflow dries at 1mm per day up to 40mm and 0.5mm per day at thicknesses over 40mm

- Large areas can be installed before joints are required, aspect ratio of typically 6-1, (1000m² unheated, 300m²-with underfloor heating)
- All Marshalls Premflow is wet batched through forced action pan mixers to ensure a smooth uniform product.

PRODUCT RANGE

- Marshall Premflow Gyvlon Eco, the versatile screed for domestic and light commercial use, thickness from min 35mm domestic to 40mm light commercial (please discuss your requirements with our technical experts)
- Premflow LS where a superior finish is required
- Premflow Gyvlon Thermio, the ideal screed for use with underfloor heating
- Premflow Gyvlon XTR where a stronger screed is required, (please consider using a high grade KPA insulation in these conditions)
- Premflow Gyvlon Excelio, a thin bonded screed from 12mm offering huge cost saving over thin bagged screeds
- Premflow Gyvlon Soundbar, for use in timber frame construction with the Soundbar acoustic board
- Premflow Gyvlon Sky for high rise situations

CURING

- It is highly recommended the building is weather tight before Premflow is installed
- Protect the screed from premature drying due to wind, strong sunshine and enforced drying conditions
- After 48 hours good natural ventilation will greatly assist with drying
- With Premflow Thermio, the underfloor heating can be commissioned after 7 days, this assists with the drying process

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TECHNICAL CHARACTERISTICS

Mechanical Strength	C25-F4 (BS EN 13813) For Premflow Gyvlon Thermio
Dry Density	2000 kgs/m ³ (+/- 200)
Design Thickness	Minimum unbonded 30mm
Design Thickness	Minimum 35mm (domestic) 40mm commercial-floating
Substrate Type	Suitable for most substrates
Substrate Regularity	Typically SR2 (BS EN 8204-7)
Surface Finish	Low laitance option available (Premflow LS)
Surface Finish	May require sanding as part of floor finish preparation
Reinforcement	None required
Working Time	180-220 minutes from batching to placement
Flow	240mm-260mm (placement)
Joints	1000m ² (area layout to be considered)