

Marshall's Premflow Eco FD screed

DESCRIPTION

Free flowing pump applied floor screed.

Marshall's Premflow Eco FD screed is a factory produced flowing Anhydrite based floor screed.

Now incorporating a revolutionary new admixture to provide a faster drying, low skin solution, without altering the recognized characteristics of the Premflow range.

Premflow FD under good conditions (20 degrees and 60% RH) will dry to 75% RH twice as quickly as a traditional screed, dependent on screed thickness and local site conditions.

Premflow FD will allow non sensitive floor coverings to be applied in 14-21 days under good conditions, and depending on screed thickness. For sensitive floor coverings Premflow Eco FD is significantly faster than standard calcium sulphate screeds, up to 2mm per day.

Premflow Eco FD, provides a surface finish that is ideal to receive final floor finishes and will not require initial sanding, but in line with industry recommendations should be lightly sanded to remove surface build up/site foot traffic contamination from other trades. Marshall's 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.

BENEFITS

- Fast installation – Marshall's Premflow can be installed at up to 200m² per hour.
- Suitable for foot traffic 24-48 hours after placing.
- High strength, Standard Premflow C25/F4, XTR version typically C35/F6
- Marshall's 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)
- Environmentally friendly, (saving up to 20kge.CO₂ per m²).
- Excellent surface finish, easily achieves SR2, and can receive floor coverings such as tiles, wood, carpet and vinyl.
- Marshall's Premflow can be bonded or un-bonded and is ideal as a floating floor over insulation, min thickness 40mm.
- Premflow 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.
- FD Eco dries at up to 2mm per day.
- Large areas can be installed before joints are required, aspect ratio of typically 6-1, (1000m² unheated, 800m² for FD, 300m²-with underfloor heating)
- All Marshall's Premflow is wet batched through forced action pan mixers to ensure a smooth uniform product.
- Ideal for underfloor heating systems with enhanced thermal conductivity.

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 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.

Technical Characteristics

Mechanical Strength	C25-F4 (BS EN 13813) for Premflow FD Eco
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-250mm (placement)
Joints	800m ² (area layout to be considered)

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