

## Premflow Eco Screed

### DESCRIPTION

Free flowing pump applied floor screed.

Marshalls Premflow Eco screed is a factory produced flowing Anhydrite based floor screed. Premflow is ideal for a wide range of screed applications. Its high thermal conductivity make it ideal for use with underfloor heating. Premflow Gyvlon Eco is fully BBA approved.

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.

### BENEFITS

- Fast installation – Marshalls Premflow can be installed at up to 200m<sup>2</sup> per hour.
- Suitable for foot traffic 24-48 hours after placing.
- High strength, Standard Premflow C25/F4, XTR version 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.
- Marshalls Premflow can be bonded or unbonded 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.
- Large areas can be installed before joints are required, aspect ratio of typically 6-1, (1000m<sup>2</sup> unheated, 300m<sup>2</sup>-with underfloor heating)
- All Marshalls Premflow is wet batched through forced action pan mixers to ensure a smooth uniform product.
- Ideal for underfloor heating systems with enhanced thermal conductivity

### BENEFITS

- 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

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### TECHNICAL CHARACTERISTICS

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