

## Premflow FD 220 Screed. (Faster Drying)

### FREE FLOWING PUMP APPLIED FLOOR SCREED

Marshalls Premflow 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 recognised 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 FD is significantly faster than standard calcium sulphate screeds, up to 2mm per day.

Premflow 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.

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)
- Environmentally friendly, (saving up to 20kge. CO2 per m<sup>2</sup>)
- 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 FD 220 dries at up to 2mm per day
- Large areas can be installed before joints are required, aspect ratio of typically 6-1, (1000m<sup>2</sup> unheated, 800m<sup>2</sup> for FD, 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

### 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 FD
<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>	220mm-240mm (placement)
<b>Joints</b>	1000m <sup>2</sup> (area layout to be considered)