

## Marshall's Premflow Sky Screed

### DESCRIPTION

Free flowing pump applied floor screed where screeds are required above 12 storeys.

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

Typically C30/F5 N/mm<sup>2</sup>.

Premflow Sky, is designed specifically for use where pumped screeds are required above 12 storeys. It is specially formulated to help reduce moisture loss to pumps lines and reduce risk of in line segregation whilst maintaining all the normal features of a Premflow flowing screed.

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.

Please note that over certain heights may require specialist pumps, Marshall's can suggest pumping companies with previous experience of Premflow Sky.

### BENEFITS

- Fast installation – Marshall's Premflow can be installed at up to 200m<sup>2</sup> per hour.
- Improved pumping characteristics.
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days.
- No reinforcement required.
- Ideal for use with under floor heating.
- Can be force dried as early as 7 days after application.
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions.
- 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.
- Environmentally friendly.
- Large areas can be installed before joints are required, please consider construction joints.
- All Marshall's 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, the underfloor heating can be commissioned after 7 days, this assists with the drying process.

| Technical Characteristics |   |
|---------------------------|---|
| Mechanical Strength       | C30-F5 N/mm <sup>2</sup> (BS EN 13813) For Premflow Sky |
| Dry density               | 2000 kgs/m <sup>3</sup> (+/- 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 <sup>2</sup> (area layout to be considered)       |