

## TECHNICAL DATA SHEET FOR

**FLOORSHIELD 801 WATER DISPERSION PRIMER**

**DESCRIPTION** : Floorshield 801 Water Dispersion Primer is a water dispersion primer comprising of specially formulated synthetic resin for treating porous substrates and materials such as lightweight blocks, prefabricated panels, etc. against damp penetration as well as to consolidate substrate surfaces to improve the adhesion of waterproofing coatings, plasters, screeds, adhesives, mortars, paint, etc.

Floorshield 801 Water Dispersion Primer prevents gypsum substrates from breaking off due to the chemical reaction between gypsum and cement aluminates in cement-based mortars and adhesives.

Floorshield 801 Water Dispersion Primer reduces the water absorption of very porous substrates enabling the applied material such as screeds, plasters, tile adhesives, waterproofing coatings to cure properly thus preventing over-rapid drying.

**TYPE** : Water-based acrylic dispersion primer

**USES** : Floorshield 801 Water Dispersion Primer is used to consolidate and treat:

- Concrete and cement-based substrates prior to application of Floorshield 831 Re-Surfacing Screed.
- Gypsum surfaces before laying tiles.
- Prefabricated panels such as gypsum, chipboards, lightweight concrete, cement boards, etc. before plastering, laying tiles or painting.
- Absorbent and powdery materials such as lightweight blocks and brickwork before plastering or laying tiles.
- Concrete and cement-based substrates before casting self-levelling screeds.
- Underside of natural stones to reduce water marks problems.

**APPLICATION DATA**

**METHOD** : Roller

**THEORETICAL COVERAGE** : Generally 0.1 ~ 0.2 kg/m<sup>2</sup> (depends on the porosity and absorption of the substrate)

**DILUTION** : No dilution is necessary for best performance

**SURFACE PREPARATION** : Ensure surface is clean, dry and stable using the following suggested surface treatments:

- **Unstable matter:** Remove any dust and loose particles. Defective and unsound substrate has to be removed and repaired prior to application
- **Contaminants** : Laitance, oil, grease must be removed from the concrete surfaces by scabbling, grit blasting or other means

**FLOORSHIELD 801 WATER DISPERSION PRIMER****TECHNICAL DATA**

<b>Colour</b>	Low viscosity translucent liquid
<b>Density</b>	1.03 ± 0.01g/cm <sup>3</sup>
<b>pH</b>	8.5 - 9.5
<b>Inflammability</b>	No
<b>Application Temperature Range</b>	From +20°C to +40°C
<b>Minimum Drying Time</b>	30 minutes (at 30°C)
<b>Damp Resistance</b>	Good
<b>Ageing Resistance</b>	Good
<b>Resistance to Acids and Alkalis</b>	Good
<b>Flexibility</b>	Good

**GENERAL INFORMATION**

**PACKING** : 5 kg & 20 kg pail

**SHELF LIFE** : 12 months in a cool and ventilated place in the original packing.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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