

Flowfresh MF (4mm)

Description

Flowfresh MF is a 4 mm heavy duty, chemical resistant antimicrobial treated polyurethane resin floor finish. Attractive smooth matt coloured floor finish.

Uses

Ideal for dry processing zones such as food packaging zones.

Benefits

- Contains Polygiene, an antimicrobial additive based on silver ion technology
- Very high chemical resistance
- Easy to clean and sterilise – minimal joints
- Non-tainting, non-dusting
- High abrasion resistance
- Low odour during application



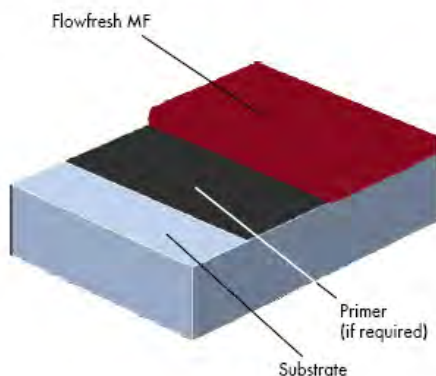
Substrate requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Flowfresh MF system.

System performance guide

Complies with BS 8204-6/FeRFA type 7.

System design



Standard colour chart



Ochre



Mustard



Cream



Red



Mid Grey



Dark Green

The applied colours may differ slightly from the examples shown above.

Contact our customer services for a true colour sample or a special colour match.



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Products included in this system

Primer: Flowprime @ 0.25 kg/m² OR, where a dpm is required, Hydraseal DPM @ 0.5 kg/m² OR, where high heat resistance is critical, Flowfresh Primer @ 0.25 kg/m²
Topping: Flowfresh MF (density 1.9 kg/l) @ 7.6 kg/m² Flowfresh MF is a self-sealing finish. Detailed application instructions are available upon request.

Microbial / fungal resistance

The Polygiene antimicrobial additive incorporated into Flowfresh MF provides control of most bacteria and fungi which come into contact with the floor.

Technical information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Fire Resistance	BS 476:Part 7 Spread of Flame: Class 2 (indicative)
Slip Resistance Pendulum Slip Test method described in BS 7976-2	Dry >60 Wet >30 (dependent upon texture achieved during laying)
Impact Resistance	BS 8204-1 Cat: A (< 0.5mm) ISO 6272 1 kg weight >1.8m 2 kg weight >1.5 m
Temperature Resistance	Tolerant up to 70°C
Water Permeability	Nil – Karsten test (impermeable)
Vapour Permeability	ASTM E96:90 5g/ m ² /24hrs (at 4 mm thick)
Chemical Resistance	Go to www.flowcrete.com Excellent resistance to sugars and most acids (organic and inorganic)
Abrasion Resistance	ASTM D4060 Taber Abrader: 30 mg loss per 1000 cycles (1kg load using H22 wheels) BS 8204-2: Class AR2
Compressive Strength	> 50 N/mm ² (BS 6319)
Flexural Strength	20 N/mm ² (BS 6319)
Tensile Strength	10 N/mm ² (BS 6319)
Bond Strength	Greater than cohesive strength of 25 N/m ² concrete. > 1.5 MPa.

Speed of cure

	10°C	20°C	30°C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full chemical cure	10days	7days	57days

Aftercare - cleaning and maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.



Valhmor Borg



Lowenbrau factory

Life expectancy

7 – 10 years, dependant on thickness and subject to correct maintenance regime. Flowfresh MF is not colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in light colours and blues but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

