

Flowcrete

for the world at your feet

Flowfresh MF (2 - 4 mm)

Flowfresh MF is a seamless, heavy duty self-smoothing, phthalate-free polyurethane cement-based flooring system.

Provides a hygienic floor finish for dry or semi-wet F&B processing areas.



Green Building Product:

4-tick SGBC Leader-rated for excellent environmental sustainability.



HACCP International Certified:

Certified as food-safe for use in wet and dry food handling areas.



High Chemical Resistance:

Protects against a majority of acids used in manufacturing processes.



Wear Resistant

Holds its own against impact, traffic and chemical attack



Temperature Resistant:

Very good thermal shock properties and resistant to extreme temperatures.



Warm Buff



Clay



Coral Red



Shamrock Green



Ash Grey



Pewter Grey

The applied colours may differ from the examples shown. Flowfresh is not colour fast and may change colour over time (exhibits a yellowing effect). Especially the Grey may discolour upon receiving the UV light and heat. However, this does not compromise aliphatic UV sealer is applied to achieve stable colour consistency.



Technical Profile*

| FIRE RESISTANCE | | | | |
|---|--|-------|-------|-------|
| EN 13501-1 | B _{fl} - s1 | | | |
| SLIP RESISTANCE** | | | | |
| Method described in BS 7976-2 (typical values for 4-S rubber slider) | Dry > 40, Wet depends on specification (in accordance with HSE and UKSRG guidelines) | | | |
| IMPACT RESISTANCE | | | | |
| EN ISO 6272 | 15Nm | | | |
| WATER PERMEABILITY | | | | |
| Nil – Karsten test (impermeable) | | | | |
| VAPOUR PERMEABILITY | | | | |
| ASTM E96:90 | 5g/m ² /24hrs (at 4mm thick) | | | |
| TEMPERATURE RESISTANCE | | | | |
| From -5°C to 70°C (at 3mm) | From -15°C to 90°C (at 4mm) | | | |
| CHEMICAL RESISTANCE | | | | |
| Contact Technical Department Excellent resistance to sugars and most acids (organic and inorganic) | | | | |
| ABRASION RESISTANCE | | | | |
| Taber Abrader (1 kg load using CS17 wheels) | 0.1g loss per 1000 cycles | | | |
| COMPRESSIVE STRENGTH | | | | |
| EN 13892-2 | > 50 N/mm ² | | | |
| FLEXURAL STRENGTH | | | | |
| EN 13892-2 | > 20 N/mm ² | | | |
| TENSILE STRENGTH | | | | |
| BS 6319 | 7 N/mm ² | | | |
| COEFFICIENT OF THERMAL EXPANSION | | | | |
| ASTM C531 | 5.70 x 10 ⁻⁵ °C ⁻¹ | | | |
| BOND STRENGTH | | | | |
| Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa | | | | |
| SPEED OF CURE | | 10 °C | 20 °C | 30 °C |
| Light Traffic | | 36 h | 24 h | 12 h |
| Full Traffic | | 72 h | 48 h | 24 h |
| Full Chemical Cure | | 10 d | 7 d | 6 d |

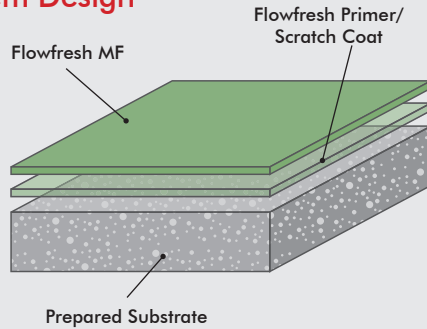
* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. **The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Model Specification

| | |
|---------------------|----------------------------|
| System | Flowfresh MF |
| Finish | Smooth & Matt |
| Thickness | Dependant on specification |
| Manufacturer | Tremco CPG Malaysia |

Preparatory work and application in accordance with manufacturer's instructions.

System Design



Products Included In This System

| | |
|-----------------------|---------------------------------|
| Primer | Flowfresh Primer / Scratch Coat |
| Finishing Coat | Flowfresh MF |

Detailed application instructions are available upon request.

Substrate Requirements

Concrete/screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. Substrate should be surface dry and free from rising damp and ground water pressure.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at www.flowcreteasia.com

Environmental Considerations

The system is assessed as non-hazardous to health & the environment. The long service life & 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.

HACCP International Certification

Flowfresh has been evaluated to international standards and a set of key food safety criteria for potential physical, chemical and microbiological food safety risks by a team of degree qualified food technologists and product assessors. The Flowfresh range has been identified as food-safe for use in wet and dry food handling areas such as kitchens, production areas and processing areas operating a HACCP based Food Safety Program, noting the conditions of the certification statement SSZ. HACCP International operates a world renowned product certification scheme for equipment, materials and services used within the global food and beverage processing, production and packaging sector - confirming a product's suitability for use within food businesses that operate to the world's highest standards.

Aftercare, Cleaning & Maintenance

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

Important Note

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. Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages.

Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. It is recommended that top coat colours are close to base coats colours to achieve desired results 2. This product is not UV stable and may discolour unless otherwise stated
3. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.