

## Flowfresh HF

A highly durable industrial floor based on polyurethane resin with the addition of cement aggregate. It has high degree of slip resistance.



### Antimicrobial properties:

Contains Polygiene, an antimicrobial additive based on silver ion technology



### Hygienic:

Meets hygienic requirements and is certified by HACCP International



### High chemical and thermal resistance:

No damage at temperatures from -40°C to 120°C (9 mm), thermal shock resistance



### Wear resistance:

High abrasion and impact resistance

## Technical Information<sup>1</sup>

REACTION TO FIRE	
B <sub>n</sub> -s1	EN 13501-1
SLIP RESISTANCE <sup>2</sup>	
Dry 80, wet 40	EN 13036-4
TEMPERATURE RESISTANCE	
-25°C to 90°C (6 mm) -40°C to 120°C (9 mm)	
WATER PERMEABILITY	
Karsten test - Nil (Impermeable)	
WEAR RESISTANCE	
RWA1	EN 13892-5
COMPRESSIVE STRENGTH	
> 50 N/mm <sup>2</sup>	EN 13892-2
FLEXURAL STRENGTH	
20 N/mm <sup>2</sup>	EN 13892-2
TENSILE STRENGTH	
> 10 N/mm <sup>2</sup>	BS 6319
IMPACT RESISTANCE	
IR20	EN ISO 6272-1
BOND STRENGTH	
2,8 MPa	EN 13892-8
Complies with BS 8204-6/FeRFA type 8	

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	10 days	7 days	5 days

## Standard colour chart



The applied colours may differ from the examples shown.  
For a full colour chart and samples, contact your local Flowcrete office.

## Model Specification

<b>System:</b>	Flowfresh HF
<b>Finish:</b>	Matt
<b>Thickness:</b>	From 6,0 to 9,0 mm
<b>Colour</b>	According to the catalog
<b>Producer:</b>	Flowcrete Group Ltd
<b>Supplier:</b>	Flowcrete Polska Sp. z o.o.
<b>Telephone:</b>	+48 22 879 89 07

## Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting Flowcrete Polska or enquiring via our website at [www.flowcrete.com.pl](http://www.flowcrete.com.pl).

## Products Included in this System

<b>Primer<sup>3</sup>:</b>	Flowfresh Primer Natural quartz sand 1,0–1,8 mm
<b>Topping:</b>	Flowfresh HF

<sup>3</sup> If other resins are used contact Flowcrete Polska for further details.

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. Antimicrobial Active substance: Silver biocide Tested: ISO 22196/JIS Z2801.

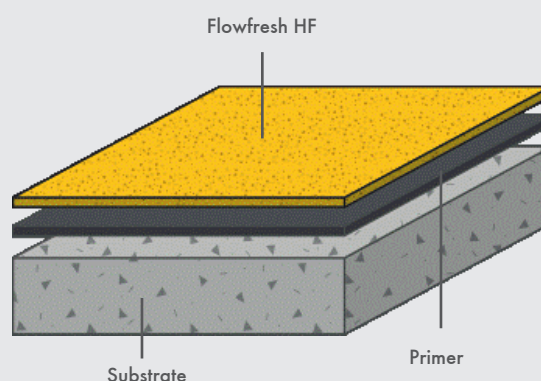
## Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Flowcrete Flooring Cleaning Instruction available upon request.

## Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% moisture content per weight) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

## System Design



## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Complies with LEED EQ Credit 4.2. requirements: VOC content < 100 g/l.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Flowcrete Polska Sp. z o.o. (further related as „Flowcrete“) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer's control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, Flowcrete cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized Flowcrete representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact Flowcrete Polska

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