Flowcrete
for the world at your feet

CE
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EN1504-2

Flowseal EPW

Description
Coloured gloss finish water based hygienic floorseal.

Uses
Flowseal EPW is suitable for use in food process areas, kitchens, light industrial areas, storerooms, garages and areas of pedestrian and light traffic.

Benefits
- Hygienic
- Vapour permeable – allows floors to breath
- Can be applied to damp substrates
- Cost effective
- Easy to apply
- Enhances appearance of working environment
- Solvent free
- Low odour

Project References
GlaxoSmithKline, Gate Gourmet, ASDA, Convatec, Beaconsfield Footwear, Widnes Films.

Standard colour chart

Light Grey 232

Beige 326

Goosewing Grey 222

Tile Red 637

Mid Grey 280

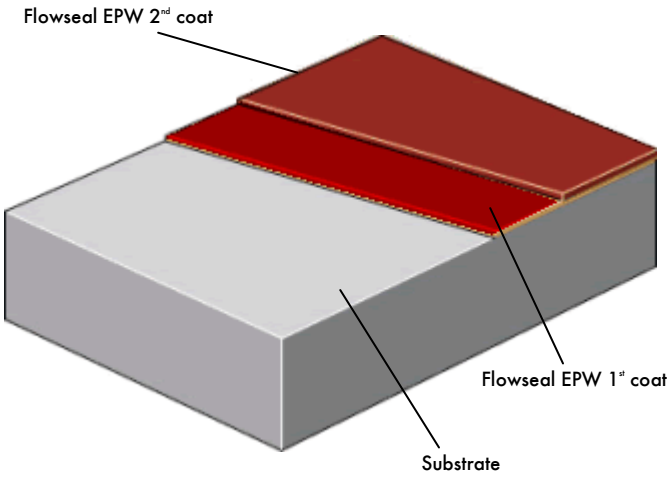
Forest Green 754

Dark Grey 281

Traffic Blue 466

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.
Special corporate colours and designs can be produced to special order.

System Design



Model Specification

Product: Flowseal EPW
Finish: Gloss
Thickness: 0.12 mm dry film thickness
Colour: _____
Preparatory work and application in accordance with suppliers instructions.
Supplier: Flowcrete UK Ltd
Telephone: Customer Service - +44 (0)1270 753000

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm^2, free from laitance, dust and other contamination. The substrate should be surface dry to 95% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Flowseal EPW (density = 1.3 kg/l)
1st coat: Flowseal EPW 0.15 kg/m^2 *
2nd coat: Flowseal EPW 0.1 kg/m^2 *
} Typical values

*Application and coverage rates are assisted by addition of water:

- 20% water by weight of the unit (A+B) **must** be added to the mixed product for first coats and priming.
- 10% water by weight of the unit (A+B) **must** be added to the mixed product for subsequent coats.

Note: Once diluted, do **not** add further quantities of water.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.co.uk .

Note

No resin system is totally 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 very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

Intensively coloured products (e.g. hair colorants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discoloration in the surface. Please contact our Technical Services Department for further advice.

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.

Technical Information

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

Reaction to fire	B_{FL} - s1	EN 13501-1
Impact Resistance	6 Nm	EN ISO 6272
Bond Strength	> 3 N/mm^2	EN 1542
Wear Resistance	Weight loss <100 mg "Taber abrader" H22 wheels, 1000 cycles, load 1kg	EN ISO 5470-1
Capillary absorption + permeability to water	0.005 kg/m^2 x h$^{0.5}$	EN 1062-3
Temperature Resistance	Tolerant up to 70°C	
Vapour Permeability	ASTM:E96:90 - 20g / m^2 / mm / 24 hr	
Surface Hardness	182 secs. Koenig Hardness Test	
Chemical Resistance	Contact Technical Department	
Slip Resistance Method described in BS 7976-2 (typical values for 4-S rubber slider)	Dry >40 low slip potential (in accordance with HSE and UKSRG guidelines)	

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.

Complies with BS 8204-6/FeRFA type 1.

Speed of Cure

	10°C	20°C	30°C
Light traffic	24 hrs	12 hrs	8 hrs
Full traffic	36 hrs	24 hrs	16 hrs
Full chemical cure	14 days	7 days	5 days

Low relative humidity and good ventilation are pre-requisites to achieving the above drying times.

Aftercare - Cleaning and Maintenance

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

Important Notes

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

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Flowcrete UK Ltd is an RPM company