

Peran Floor Flakes (1 mm)



Standard colour chart (with Flowseal EPW colours)



Grey 1923 (uses Goosewing Grey 222)



Red 5923 (uses Goosewing Grey 222)



Green 1924 (uses Goosewing Grey 222)



Red 5914 (uses Goosewing Grey 222)



Blue 2923 (uses Sky Blue 452)



Blue 2914 (uses Sky Blue 452)



Green 3923 (uses Emerald Green 740)



Yellow 4913 (uses White 050)

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.

Description

A decorative coating which introduces texture and vibrancy into floors. Peran Floor Flakes contains varying sizes of flakes scattered over a coloured base coat and finished with a tough resistant clear sealer (Gloss or Matt).

Uses

Ideal for public areas, shops and showrooms, department stores, designer outlets, restaurants, garden centres, airports, schools and hospitals.

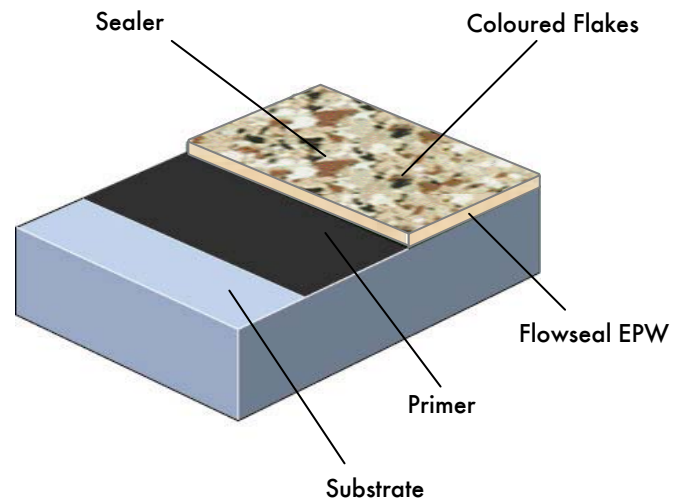
Benefits:

- Attractive decorative finish
- Extensive design potential
- Seamless hygienic finish
- Easy to clean and maintain
- High chemical resistance
- High scratch resistance
- Wear resistant surface for wheeled traffic.

Project References:-

Belfast Crown Court; Hagley School, UK; Clinica Rodens, Spain; Get Fresh Ltd.; Sandford Holiday Park; Johnson Controls; Aran High School.

System Design



Model Specification

Product: Peran Floor Flakes

Finish: Gloss or Matt

Thickness: 1 mm

Colour: _____

Preparatory work and application in accordance with manufacturers instructions.

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service - +44 (0) 1270 753000

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 Peran Floor Flakes system.

Products Included in this System

Primer : Flowseal EPW @ 0.2 kg/m²

Flood Layer: Flowseal EPW @ 0.25 kg/m²

Flakes : Coloured Flakes @ 0.5 kg/m²

Sealer : Peran STC @ 0.4 kg/m²

Sealer : Flowseal PU Gloss (WB) @ 0.08 kg/m²
Dilute the pre-mixed product with 500ml (500g) clean water per 5.0 kg unit [Gloss] to ensure the correct application viscosity and consistent finish.

Installation Service

The installation should be carried out by an 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
Bond Strength	> 2.5 N/mm ²	EN 13892-8
Impact Resistance	6 Nm	EN ISO 6272
Flexural Strength	15 N/mm ²	EN 13892-2
Tensile Strength	10 N/mm ²	BS 6319-7
Abrasion Resistance	110 mg loss	EN ISO 5470-1 "Taber Abrader", H22 wheel, 1000 cycles, 1 kg load.
Temperature Resistance	Tolerant of sustained temperatures up to 50 °C	
Permeability to water	0.017 kg/m ² x h ^{0.5}	EN 1062-3
Vapour Permeability	2.5 g /m ² / mm/24hrs	ASTM E96:90
Chemical Resistance	Good resistance to tea, coffee, cola, fruit juice, soaps and bleach	

Slip Resistance
Method described in BS 7976-2 (typical values for 4-5 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 type 3.

Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	24 hrs	12 hrs	6 hrs
Full traffic	72 hrs	48 hrs	24 hrs
Full chemical cure	12 days	7 days	7 days

Aftercare - Cleaning and Maintenance

Clean floors regularly using a rotary scrubber 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.