

## Peran Floor Flakes (1 mm)



### 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.

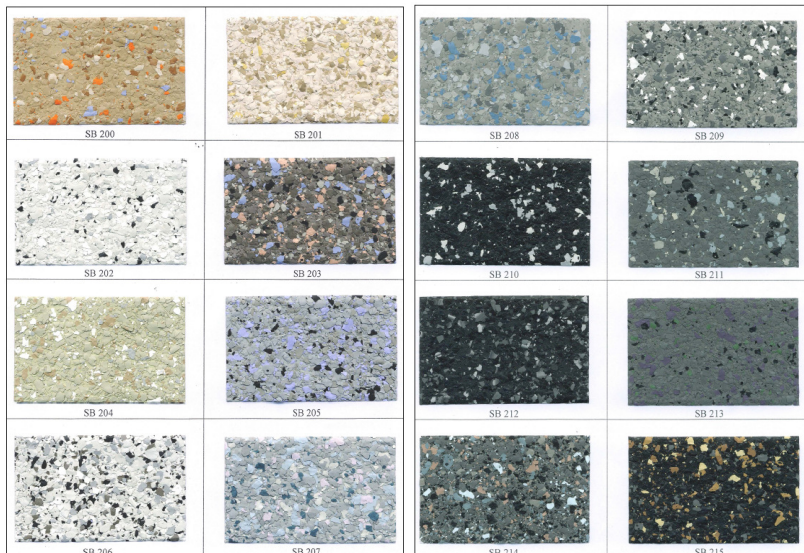
### Benefits:

- 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:-

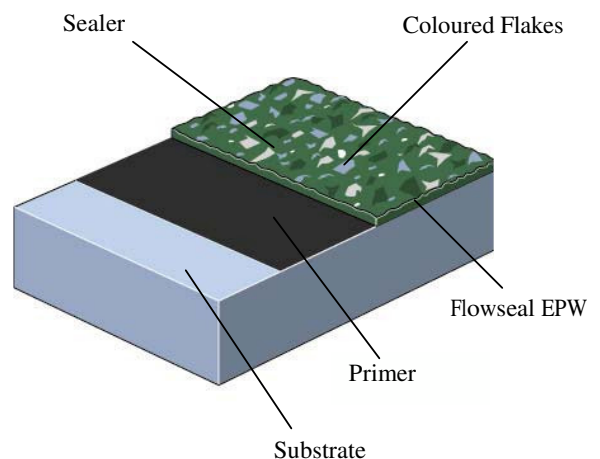
Belfast Crown Court; Hagley School, UK; Clinica Rodens, Spain; Get Fresh Ltd.; Sandford Holiday Park; Johnson Controls; Aran High School.

### Standard colour chart



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.

### 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

## 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.com](http://www.flowcrete.com)

## Products Included in this System

### Floors

Primer : Flowseal EPW @ 0.2 kg/m<sup>2</sup>

Flood Layer: Flowseal EPW @ 0.25 kg/m<sup>2</sup>

Flakes : Coloured Flakes @ 0.5 kg/m<sup>2</sup>

Sealer : Peran STC @ 0.4 kg/m<sup>2</sup>

Sealer : Flowseal PU Gloss or Matt @ 0.08 kg/m<sup>2</sup>

Graded aggregate can be incorporated to provide better slip resistance.

### Focus on the Floorzone

Flowcrete Group plc are world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion resistant systems... to name just a few. Our objective is to satisfy your Floorzone needs.

### Flooring Design Service

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

### Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, 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 FloorFlakes system.

### 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.

### Important Note

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.

## System Performance Guide

Complies with BS 8204-6 type 3.

The table below shows how well the system complies with different characteristics.

A scale of 1 – 5 where 5 is the best value.

5 Excellent, 4 Very Good, 3 Good (Pass), 2 Fair, 1 Poor

Fire Safety	5	Impermeability	5
Slip Resistance	3	Cleanability	5
Impact Resistance	2	Wear Resistance	4
Thermal Resistance	4	Chemical Resistance	4
Heavy Traffic	2	Scratch Resistance	5

## Technical Information

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

Fire Resistance	Class G Certificate No 1721/75 SITAC
Slip Resistance	Method described in BS 7976-2 (typical values for 4-S rubber slider) Dry 56 Wet 23 Dry 73 Wet 64 (with graded aggregate incorporated)
Abrasion Resistance	BS8204:Part 2:2002 Class AR2 – Medium duty industrial and commercial.
Temperature Resistance	Tolerant of sustained temperatures up to 50 °C
Water Permeability	Nil - Karsten test (impermeable)
Vapour Permeability	ASTM E96:90 2.5 g /m <sup>2</sup> / mm/24hrs
Chemical Resistance	Good resistance to tea, coffee, cola, fruit juice, soaps and bleach
Impact (ISO 6272)	1 kg weight >1.8 m 2 kg weight >1.5 m
Flexural Strength	15 N/mm <sup>2</sup> (BS6319)
Tensile Strength	10 N/mm <sup>2</sup> (BS6319)
Bond Strength	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. >1.5 MPa.

## 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.

## Life Expectancy

3 - 5 years, subject to correct maintenance regime.

## Further Information

To ensure you are specifying a fit for purpose flooring system for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.

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