

Flowseal EPW



Two-component, water-based epoxy resin coating for use on floors walls and ceilings.



- 
Hygienic Finish:
Seamless, non-porous coating
- 
Easily Applied:
Easy to apply floor paint with high mating ability
- 
Chemical Resistance:
Provides excellent resistance to light chemical attack and spillage
- 
Vapour Permeable:
Fully breathable and can be installed onto damp substrates or green concrete

Technical Information¹

REACTION TO FIRE	
B _{fl} -s1	EN 13501-1
SLIP RESISTANCE ²	
Dry > 40	EN 13036-4
TEMPERATURE RESISTANCE	
Tolerant up to 70°C	
VAPOUR PERMEABILITY	
20 g/m ² /mm/24 h	ASTM E96:90
SURFACE HARDNESS	
182 sec. Koenig Hardness Test	
WEAR RESISTANCE	
Taber Abrader 15mg loss per 1000 cycles (1kg load using CS17 wheels)	EN ISO 5470-1
IMPACT RESISTANCE	
IR6	EN ISO 6272-1
BOND STRENGTH	
> 1,5 MPa - Assumes concrete compressive strength is greater than 25 N/mm ²	EN 1542
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
0,005 kg/m ² xh ^{0,5}	EN 1062-3

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

Standard colour chart



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

¹The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site.
²The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from Flowcrete Polska), the degree of abrasion, maintenance and the nature of the dirt.

Model Specification

System:	Flowseal EPW
Finish:	Gloss or Matt
Thickness:	0,2–0,3 mm
Colour:	According to the catalog
Producer:	Flowcrete Group Ltd
Supplier:	Flowcrete Polska Sp. z o.o.
Telephone:	+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.

Products Included in this System

First layer:	Flowseal EPW
Second layer:	Flowseal EPW

³ If other resins are used contact Flowcrete Polska for further details.

Detailed application instructions are available upon request.

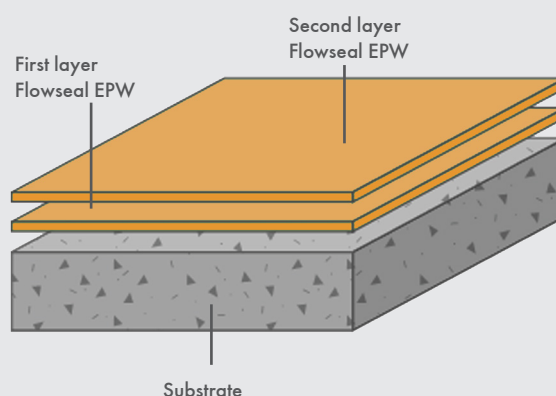
Substrate Requirements

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*.

Aftercare – Cleaning and Maintenance

Clean regularly manually or using a machine in conjunction with a mildly alkaline detergent. Flowcrete Flooring Cleaning Instruction available upon request.

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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