

Flowcem

A three-component, self-smoothing, epoxy-cement composite, temporary moisture barrier for substrates with high residual moisture content.

Controls the dissipation of moisture vapour before the application of impermeable resin finishes.



Moisture Barrier:

Tolerates up to 100% relative humidity in concrete or a sand-cement screed.



Excellent Adhesion:

Chemically & mechanically bonds to concrete forming a monolithic structure.



Easy to Apply:

Self-smoothing consistency allows it to be applied easily and quickly.



Low Odour:

Low odour during application for greater client satisfaction.



Technical Profile*

THERMAL RESISTANCE

Tolerant up to 60°C

WATER PERMEABILITY

Nil – Karsten test (impermeable)

COMPRESSIVE STRENGTH

BS 6319 >40 N/mm²

BOND STRENGTH

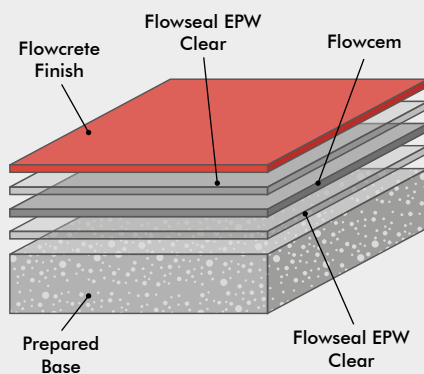
Greater than cohesive strength of 25 N/mm² concrete, >1.5 MPa

SPEED OF CURE

	10 °C	20 °C	30 °C
Light Traffic	24 h	15 h	12 h
Full Traffic	48 h	36 h	24 h
Full Chemical Cure	12 d	7 d	5 d

* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

System Design



Model Specification

System	Flowcem
Thickness	2 mm
Manufacturer	Flowcrete Asia

Preparatory work and application in accordance with manufacturer's instructions.

Products Included In This System

Primer	Flowseal EPW Clear
Body Coat	Flowcem
Finishing Coat	Flowseal EPW Clear

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be free from continuous rising moisture with high hydrostatic pressure.

Note: Flowcem is not designed to resist hydrostatic water pressure. In such circumstances external tanking or pressure relief (e.g. directed drainage), must be provided to the structure.

Overlying

Allow Flowcem to dry before over-coating, which normally takes 2 days and depends upon the ambient conditions and moisture content of the substrate.

When over-coating Flowcem with a moisture sensitive, impervious coating, check surface moisture content is 5% (75% RH) or less.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at www.flowcreteasia.com

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 products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages.

Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. Light colours may require additional coats to achieve desired results 2. It is recommended that top coat colours are close to base coats colours to achieve desired results
3. This product is not UV stable and may discolour unless otherwise stated 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.

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Don't see your location listed? Visit www.flowcreteasia.com to find your nearest office.