

Flowchem VE GL (1.5 - 3 mm)

A roller or spray applied vinyl ester, fibreglass reinforced coating system providing corrosion protection for concrete or steel structures.

For protection against aggressive chemicals, thermal and mechanical stress.



Excellent Thermal Resistance:
Resistant to extreme temperatures of up to 165°C.



Excellent Chemical Resistance:
Protects against a wide range of aggressive chemicals.



Rapid Curing:
Fast track cure times reduce construction program times.



Hard-Wearing:
Extremely hard-wearing & abrasion resistant suitable for heavy traffic.



Tailored Solutions:
Tailored specification to meet specific chemical & temperature requirements.



Green



Charcoal



Steel Grey



Light Grey

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



Technical Profile*

SLIP RESISTANCE**	
Method described in BS 7976-2 (typical values for 4-S rubber slider)	Dry > 40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)
THERMAL RESISTANCE	
Tolerant up to 165°C	
BARCOL HARDNESS	
ASTM 2583	> 30
CHEMICAL RESISTANCE	
Contact Technical Department	
E-MODULUS	
ASTM D-695	3.1 GPa
VOLUME SHRINKAGE***	
ASTM D2566	7.5 - 9.8%
FLEXURAL STRENGTH***	
ASTM D-790	117 - 150 MPa
TENSILE STRENGTH***	
ASTM D-638	75 - 96 MPa
DENSITY	
1.06 +/- 0.02	
BOND STRENGTH	
Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa	
SPEED OF CURE	
	20 °C
Light Traffic	12 h
Full Traffic	24 h
Full Chemical Cure	72 h

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

**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.

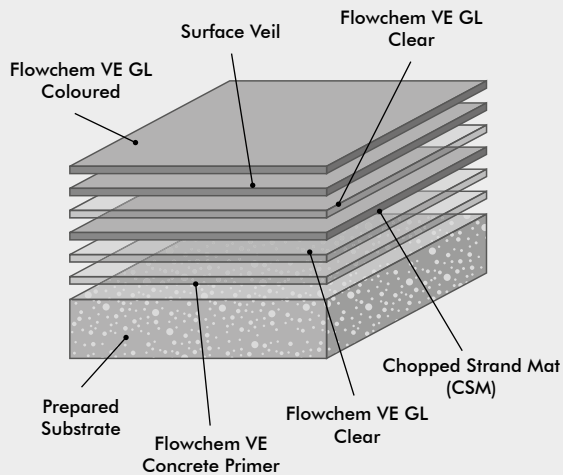
***Ranges are provided to cover results from the various resin types.

Model Specification

System	Flowchem VE GL
Finish	Satin
Thickness	1.5 - 3mm
Manufacturer	Flowcrete Asia

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

System Design



Products Included In This System

Primer	Flowchem VE Primer (concrete or metal)
Body Coat	Flowchem VE GL (available on T1, T2 or T3)*
Reinforcement	Reinforced fibreglass mat

*Resin type is dependent on chemical exposure requirements

Detailed application instructions are available upon request.

Substrate Requirements

Reinforced concrete substrates should be capable of producing 1.5 N/mm² "pull-off" values and, following preparation, be free from laitance, dust and other contamination. The substrate should be visibly dry with a moisture content not exceeding 5% by weight, or 75% RH as per BS8204, and free from rising damp and ground water pressure.

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.

Aftercare, Cleaning & Maintenance

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

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.