

Flowchem VE GL (1 - 3.5mm)



Description

A roller or spray applied vinyl ester resin based Fiberglass reinforced lining system providing excellent chemical resistance, thermal resistant and protecting concrete or steel structures from various mechanical stresses. The system can be applied up to 3.5mm thick.

Uses

For protection of concrete and metal structures subject to continuous or occasional exposure to aggressive chemicals, thermal and mechanical stress.

Benefits

- Excellent thermal resistance, up to 165°C
- Excellent chemical resistance
- Rapid curing
- Hygienic and easy to clean
- High abrasion resistance
- Various resin types available to meet specific chemical and temperature exposure requirements

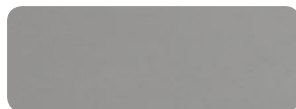
Project References

Available on request.

Standard Colour Chart



Green



Steel Grey

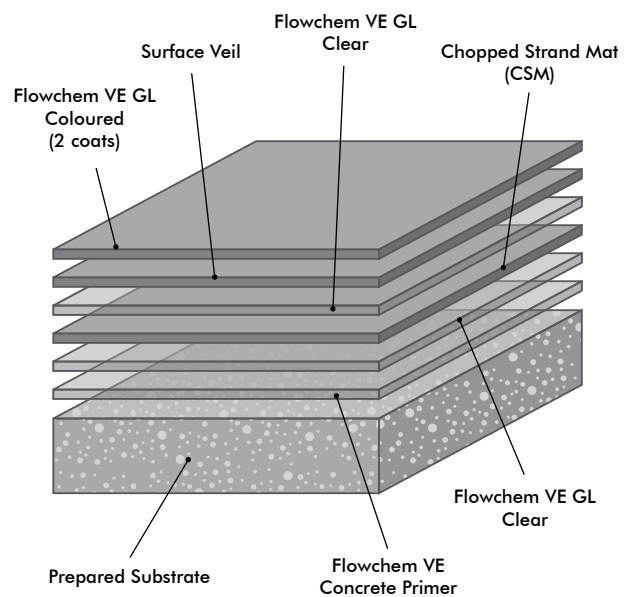


Charcoal



Light Grey

System Design



Model Specification

Product: Flowchem VE GL
Finish: Satin
Thickness: 1 - 3.5mm
Colour: _____
Preparatory work and application in accordance with suppliers instructions.
Manufacturer: Flowcrete Middle East FZCO
Telephone : Customer Service +971 4 886 4728

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.

Products Included in this System

Flowchem VE Primer (concrete or metal)
Flowchem VE GL (Available in T1, T2 or T3)*
Reinforced fibreglass mat

*resin type is dependent on chemical exposure requirements

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at www.flowcrete.ae

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 the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, 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 and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

Technical Information

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

Temperature Resistance	Tolerant up to 165°C
Slip Resistance	TRRL Pendulum Test Dry >40 low slip potential

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.

Chemical Resistance	Contact Technical Department
Barcol Hardness	> 30 (ASTM 2583)
E-Modulus	3.1 GPa (ASTM D-695)
Volume Shrinkage	7.5 - 9.8% (ASTM D2566)*
Flexural Strength	117 - 150MPa (ASTM D-790)*
Tensile Strength	75 - 96 MPa (ASTM D-638)*
Bond Strength	Greater than cohesive strength of 25 N/mm ² concrete. >1.5 MPa.
Density	1.06 +/- 0.02

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

Speed of Cure (per layer)

	20°C
Light Traffic	12 hrs
Full traffic	24 hrs
Full chemical cure	72 hrs

The speed of cure can be controlled to a large extent by varying the accelerator concentration.

Aftercare - Cleaning and Maintenance

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

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.

Further Information

To ensure you are specifying a fit for purpose flooring 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.