

Flowchem VE GL



Description

A hand or sprayed applied vinyl ester resin based glass fibre reinforced lining system with outstanding chemical, thermal and mechanical resistance. Applied up to 3mm thick.

Uses

For protection of concrete and metal structures subject to continuous or occasional exposure to heavy-duty chemical, thermal and mechanical attack.

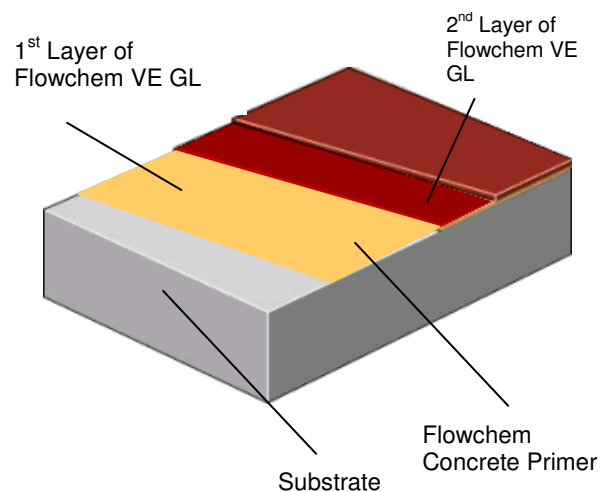
Benefits

- Excellent thermal resistance, up to 165 °C.
- Excellent chemical resistance.
- Fast curing – usually walk on within 12 hours.
- Hygienic – easy to clean.
- High abrasion resistance.
- UV resistant.
- Each installation matched to clients specific requirements.

Project References

SAPPI
ABI

System Design



Model Specification

Product: Flowchem VE GL
Finish: Gloss
Thickness: 2-3 mm
Colour: Mid grey and cream
Manufacturer: Flowcrete SA (Pty) Ltd
Telephone : Customer Service +27(0)31 461 3411

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

Substrate Requirements

Reinforced concrete substrates should be capable of producing 1.5 N/mm^2 "pull off" 25 N/mm^2 , 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. If no damp proof membrane is present, Hydraseal DPM can be incorporated directly beneath the Flowchem system.

Products Included in this System

Primer: Flowchem Concrete Primer
Finish: Flowchem VE GL
(3mm thickness) depending on weight of the glass reinforcement used.

NB: Specifications are written for each installation to meet the clients particular requirements.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out, by a Flowcrete 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.flowcretesa.co.za.

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.

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
Chemical Resistance	Go to www.flowcretesa.co.za
Barcol hardness	> 50 (ASTM 2583)
E-Modulus	3.1 GPa (ASTM D-695)
Volume Shrinkage	< 0.004 % Rill 4 2.5.3.2.1
Compressive Strength	160 mPa (ASTM D-695)
Flexural Strength	125 mPa (ASTM D-790)
Tensile Strength	73 mPa (ASTM D-638)
Adhesion	> 4 mPa (Note: substrate failure)
Density	1.01

Speed of Cure

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

Focus on the Floor-zone

Flowcrete Group 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, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Aftercare - Cleaning and Maintenance

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

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.

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.