

Flowchem VE RC



Description

A roller coat vinyl ester resin based coating system, with excellent chemical and mechanical resistance. Applied between 0.5 and 1mm thick.

Uses

For protection of concrete walls, floors, kerbs, equipment bases, trenches and drains against aggressive chemicals, solvents and heavy duty mechanical plus thermal attack.

Benefits

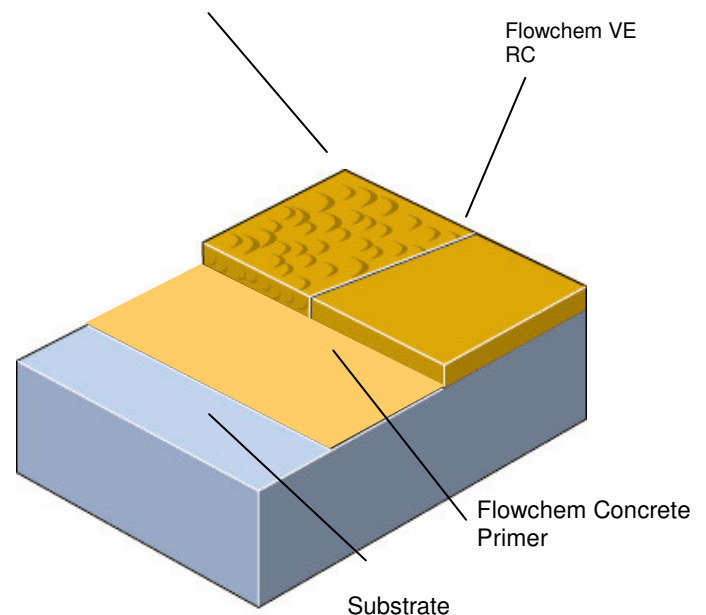
- Excellent thermal resistance, up to 145°C.
- Excellent chemical resistance.
- Fast curing – usually walk on within 12 hours.
- Hygienic – easy to clean.
- High abrasion resistance.
- UV resistant.
- Each installation matched to clients specific requirements.

Project References

SAPPI, SAB, Woodlands Dairy, ABI & Westville Prison

System Design

Optional non-slip finish



Model Specification

Product: Flowchem VE RC
Finish: Matt
Thickness: 0.5-1.0 mm
Colour: Green, red, 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/mm² "pull off" 25N/mm², 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
Topping: Flowchem VE RC applied in 2-3coats for 0.5mm dry film thickness.
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.

Focus on the Floorzone

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.

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 145 °C (ASTM D 648-56)
Chemical Resistance	Go to www.flowcretesa.co.za
Barcol hardness	> 40 (ASTM 2583)
E-Modulus	3.1 GPa (ASTM D 695)
Volume Shrinkage	< 0.004 % Rill 4 2.5.3.2.1
Flexural Strength	125 mPa (ASTM D 790)
Tensile Strength	73 mPa (ASTM D 638)
Adhesion	> 4 mPa (Note: substrate failure)
Density	1.07

Speed of Cure

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

Aftercare - Cleaning and Maintenance

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

Life Expectancy

5-10 Years: subject to correct maintenance regime.

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.