

## Flowchem VE H-10



### Description

A horizontal trowel applied vinyl ester resin based screed system with outstanding chemical and mechanical resistance. Applied approx. 10 mm thick.

### Uses

For protection of concrete floors and bunds against aggressive chemicals, solvents and thermal attack in medium to heavy duty areas.

### Benefits

- Excellent thermal resistance, up to 185 °C.
- Resistant to thermal shock.
- Excellent chemical resistance.
- Excellent abrasion and impact resistance.
- Fast curing, minimum downtime.
- Non-shrink, imposes no stress.

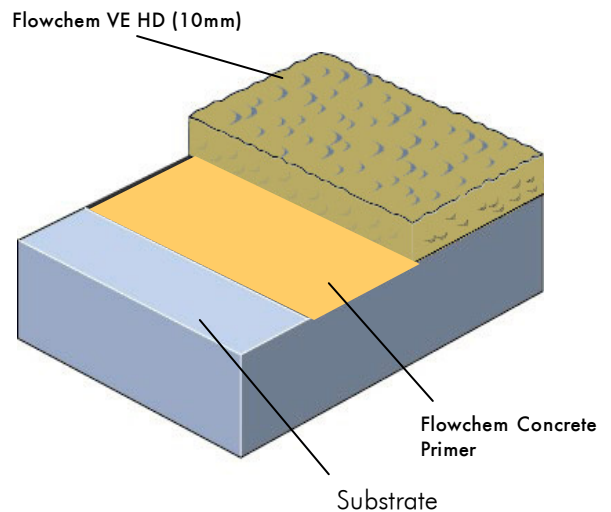
### Project References

SAPPI, SAB, ABI, Woodlands Dairy & Westville Prison.

### Colours

Natural quartz finish.

### System Design



### Model Specification

Product: Flowchem VE H-10  
Finish: Medium profile  
Thickness: 10 mm  
Manufacturer: Flowcrete SA (Pty) Ltd  
Telephone : Customer Service +27(0)31 461 3411

### Preparatory work and application strictly in accordance with suppliers instructions

### Products Included in this System

Primer: Flowchem Concrete Primer  
Topping: Flowchem VE H-10

**NB:** Technical proposals are written for each installation to meet the clients particular requirements.

### 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](http://www.flowcretesa.co.za)

### 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, corrosion resistant systems... to name just a few.  
Our objective is to satisfy your Floorzone needs.

### 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.

### Substrate Requirements

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

### Technical Information

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

Temperature	185 °C max. – ASTM 648.56
Resistance	
Chemical Resistance	See chart <a href="http://www.flowcretesa.co.za">www.flowcretesa.co.za</a>
Barcol hardness	> 40 (ASTM D 2583)
E-Modulus	24 GPa (ASTM D 695)
Volume Shrinkage	< 0.003 % Rill 4 2.5.3.2.1
Compressive Strength	120 MPa (ASTM D 695)
Flexural Strength	42 MPa (ASTM D 790)
Tensile Strength	23 MPa (ASTM D 638)
Adhesion	> 4 MPa (Note: substrate failure.)
Density	2.0 approx.

### Speed of Cure

Light traffic	12 hours
Full traffic	24 hours
Full chemical cure	72 hours

The speed of cure can be controlled by varying the accelerator dosage level. The above times are based on the standard dosage level.

### Life Expectancy

5 - 10 years dependant on the service conditions and the maintenance regime.

### Aftercare - Cleaning and Maintenance

Clean floors 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