FLOWCHEM VE

- Protect aggressive environments subject to chemical, thermal or mechanical attack with Flowcrete’s range of low shrink vinyl ester resin lining and coating systems.
Superior Protection Against Chemical Attack

Exposure to concentrated acids, alkalis and aggressive solvents can lead to severe degradation of the floor and wall coverings in any chemical processing environment, as well as metal walkways and structures and tank linings.

Flowcrete’s unique low-shrink Flowchem VE range have been engineered to support the toughest of environments, offering first class resistance to most of these corrosive agents and delivering exceptional protection against their potentially irreparable damage. All systems are fast cure systems, the range provides a thermal shock resistant finish to ensure a reliable and easily maintained finish.

What’s more, with insulation, isolation and electrostatic performance benefits, the Flowchem VE range delivers the ultimate in corrosion protection to take on the chemical processing industries.

Application Suitability

Weather Resistant Protection

Chemical Processing Plants

Metal Structure Coatings
## Performance Benefits

- Exceptional chemical resistance
- Low-shrink to reduce stress
- Withstands temperatures up to 185°C
- Coatings can be applied to a range of substrates
- Vertical systems available for tanks and silos
- Abrasion and impact resistant
- Withstands thermal shock
- Antistatic grades available to protect against shock
- Some finishes are UV resistant
- Fast cure systems minimise downtime
- Easy to clean and maintain
Superior Chemical Resistance

Flowchem VE’s impressive performance benefits make the range suitable for application in a range of environments.

- Chemical processing
- Chemical storage
- Tank linings
- Wastewater treatment
- Plant rooms
- Outdoor walkways
- Concrete and metal structures
Flowchem VE H-05

A horizontal, trowel applied, low shrink vinyl ester resin based screed.

 Applied at 5mm thick, Flowchem VE H-05 is used to protect against aggressive chemicals, solvents and thermal attack in medium duty environments.

- Thermal resistance up to 160°C
- Excellent chemical resistance
- Abrasion and impact resistant
- Fast curing for minimum downtime

Flowchem VE H-10

A horizontal, trowel applied, low shrink vinyl ester resin based screed.

Applied at 10mm thick, Flowchem VE H-10 is used to protect against aggressive chemicals, solvents and thermal attack in medium to heavy duty environments.

- Thermal resistance up to 185°C
- Excellent chemical resistance
- Abrasion and impact resistant
- Fast curing for minimum downtime
Flowchem VE RC

A rolled coat of low-shrink vinyl ester resin with excellent chemical and mechanical resistance.

Designed for the protection of concrete walls, floors, kerbs and drains from chemical and thermal attack.

- Thermal resistance up to 145°C
- Chemical and abrasion resistance
- Fast curing for minimum downtime
- UV resistant

Flowchem VE V-05

A vertical trowel applied vinyl ester resin based screed with excellent chemical and mechanical resistance.

Protects concrete walls, kerbs & equipment bases, and rains against aggressive chemicals, solvents and thermal attack.

- Thermal resistance up to 160°C
- Excellent chemical resistance
- Abrasion and impact resistant
- Fast curing for minimum downtime
Flowchem VE GL

A hand or spray applied low-shrink vinyl ester resin based glass fibre reinforced lining system.

Designed for the protection of concrete and metal structures from chemical, thermal and mechanical attack.

- Thermal resistance up to 165°C
- Chemical and abrasion resistance
- Fast curing for minimum downtime
- UV resistant

Technical Profile

**APPLICATION SUITABILITY**

- New build
- Refurbishment

**THICKNESS**

0.5–1 mm

**CHEMICAL RESISTANCE**

Contact your local Technical Department

**THERMAL RESISTANCE**

Tolerant up to 145°C

**VOLUME SHRINKAGE**

< 0.004 % RILL 4 2.5.3.2.1 120 MPa

**FLEXURAL STRENGTH**

ASTM D 790 125 MPa

**TENSILE STRENGTH**

ASTM D 638 73 MPa
Flowcrete

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