



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

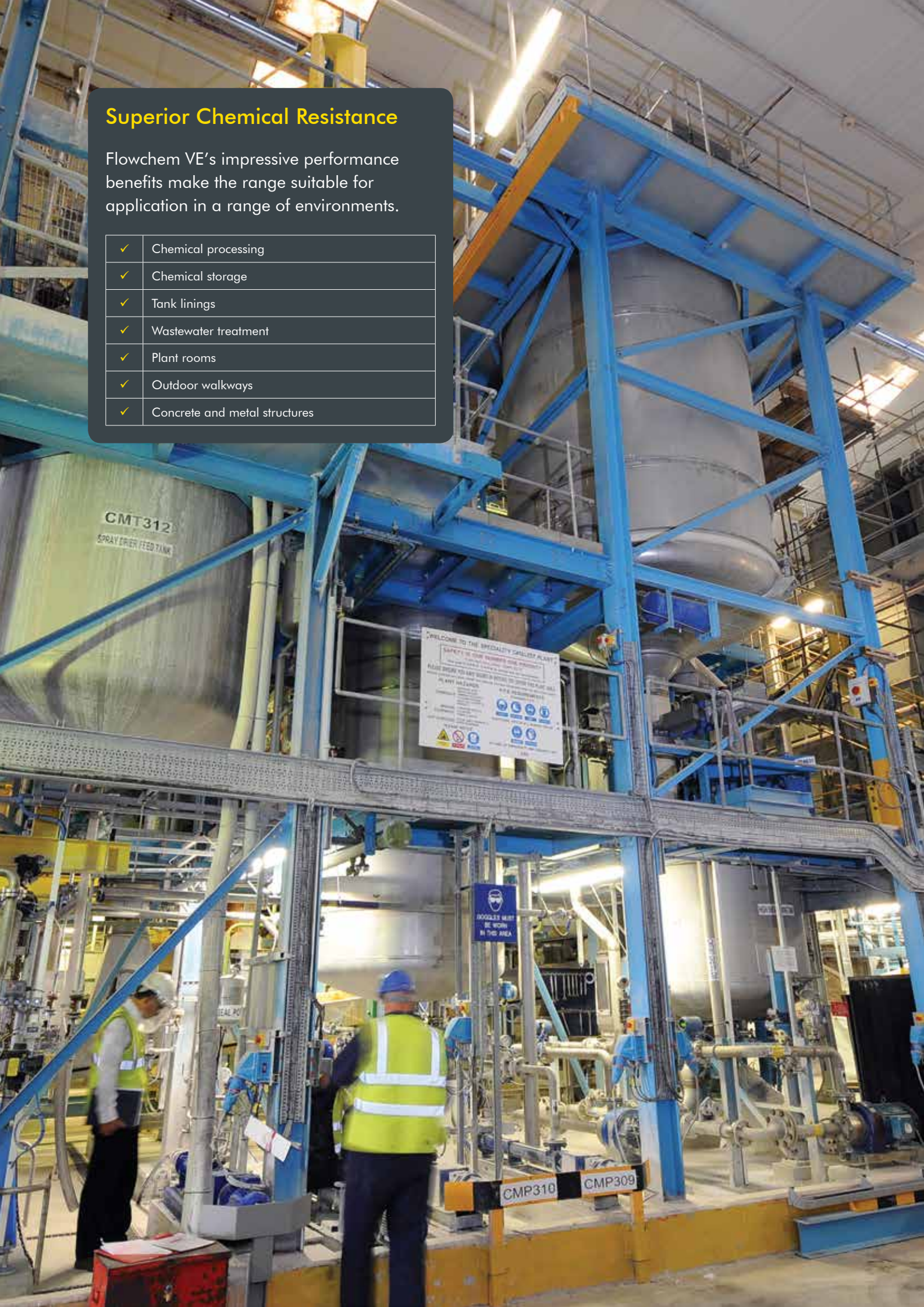
- | | |
|---|--|
| ✓ | Exceptional chemical resistance |
| ✓ | Low-shrink to reduce stress |
| ✓ | Withstands temperatures up to 185°C |
| ✓ | Coatings can be applied to a range of substrates |
| ✓ | Vertical systems available for tanks and silos |
| ✓ | Abrasion and impact resistant |
| ✓ | Withstands 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







Technical Profile

APPLICATION SUITABILITY	
✓ New build	✓ Refurbishment
THICKNESS	
5mm	
CHEMICAL RESISTANCE	
Contact your local Technical Department	
THERMAL RESISTANCE	
Tolerant up to 160°C	
COMPRESSIVE STRENGTH	
ASTM D 695	120 MPa
FLEXURAL STRENGTH	
ASTM D 790	42 MPa
TENSILE STRENGTH	
ASTM D 638	23 MPa

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

Technical Profile

APPLICATION SUITABILITY	
✓ New build	✓ Refurbishment
THICKNESS	
10mm	
CHEMICAL RESISTANCE	
Contact your local Technical Department	
THERMAL RESISTANCE	
Tolerant up to 185°C	
COMPRESSIVE STRENGTH	
ASTM D 695	120 MPa
FLEXURAL STRENGTH	
ASTM D 790	42 MPa
TENSILE STRENGTH	
ASTM D 638	23 MPa





Technical Profile

APPLICATION SUITABILITY	
✓ New build	✓ Refurbishment
THICKNESS	
0.5–1mm	
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

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, trenches 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

Technical Profile

APPLICATION SUITABILITY	
✓ New build	✓ Refurbishment
THICKNESS	
5mm	
CHEMICAL RESISTANCE	
Contact your local Technical Department	
THERMAL RESISTANCE	
Tolerant up to 160°C	
VOLUME SHRINKAGE	
< 0.003 % RILL 4 2.5.3.2.1	120 MPa
FLEXURAL STRENGTH	
ASTM D 790	42 MPa
TENSILE STRENGTH	
ASTM D 638	23 MPa

Technical Profile

APPLICATION SUITABILITY

- ✓ New build
- ✓ Refurbishment

THICKNESS

0.5–1mm

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

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

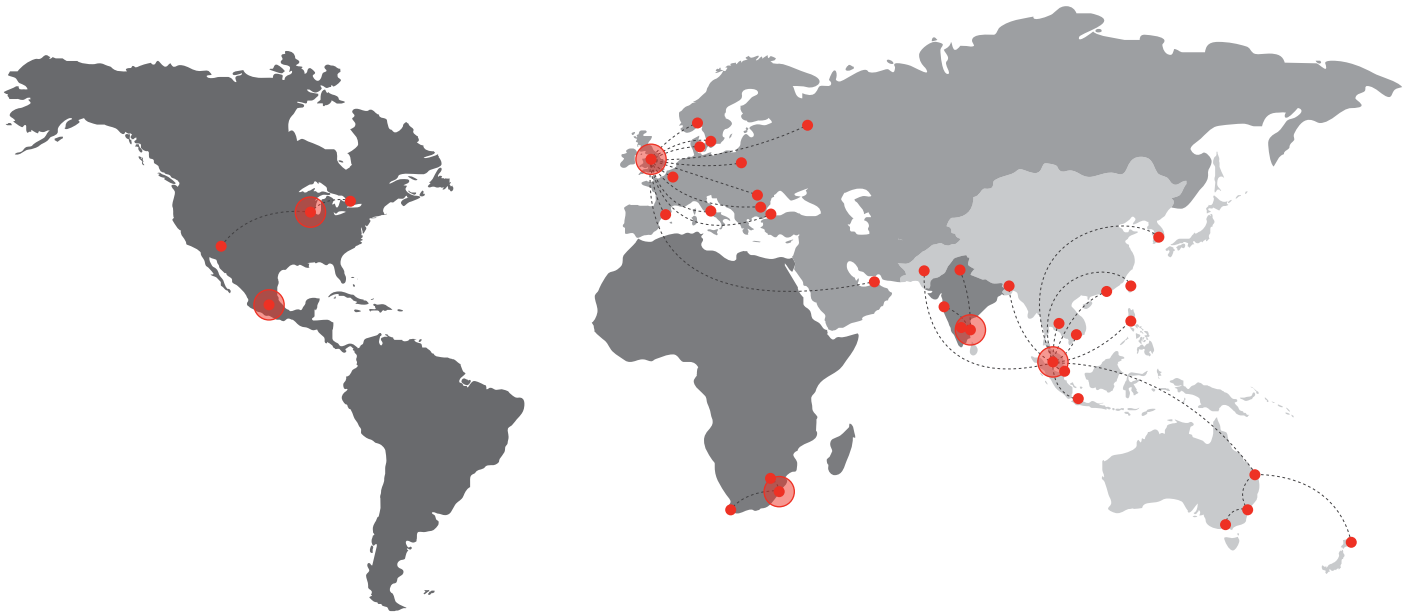


Fast curing for minimum downtime



UV resistant





Flowcrete

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