



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

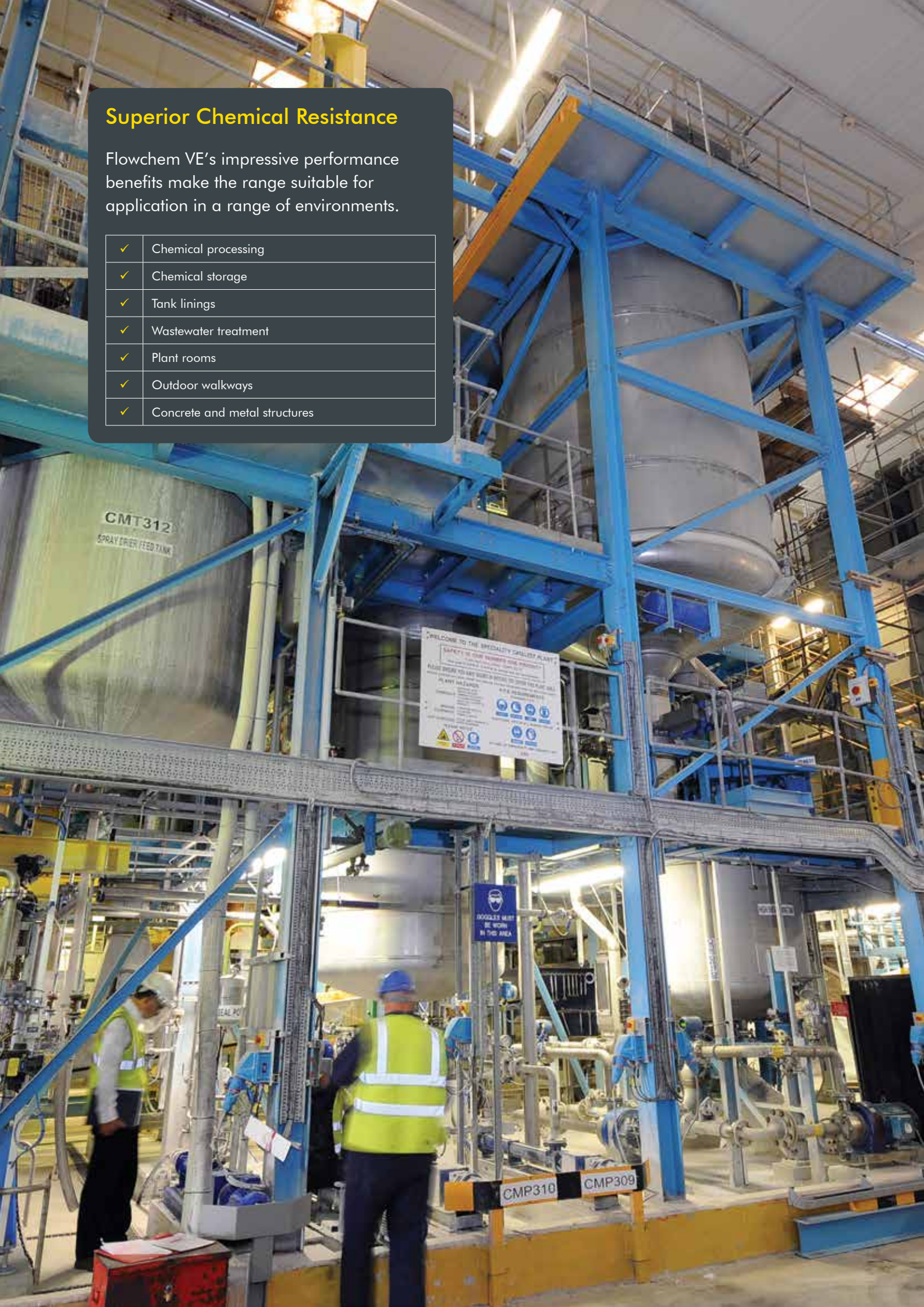
- | | |
|---|------------------------------------------------------|
| ✓ | Exceptional chemical resistance |
| ✓ | Low-shrink to reduce stress |
| ✓ | Withstands temperatures up to 185°C |
| ✓ | Coatings can be applied to a range of substrates |
| ✓ | Vertical systems available for tanks and silos |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

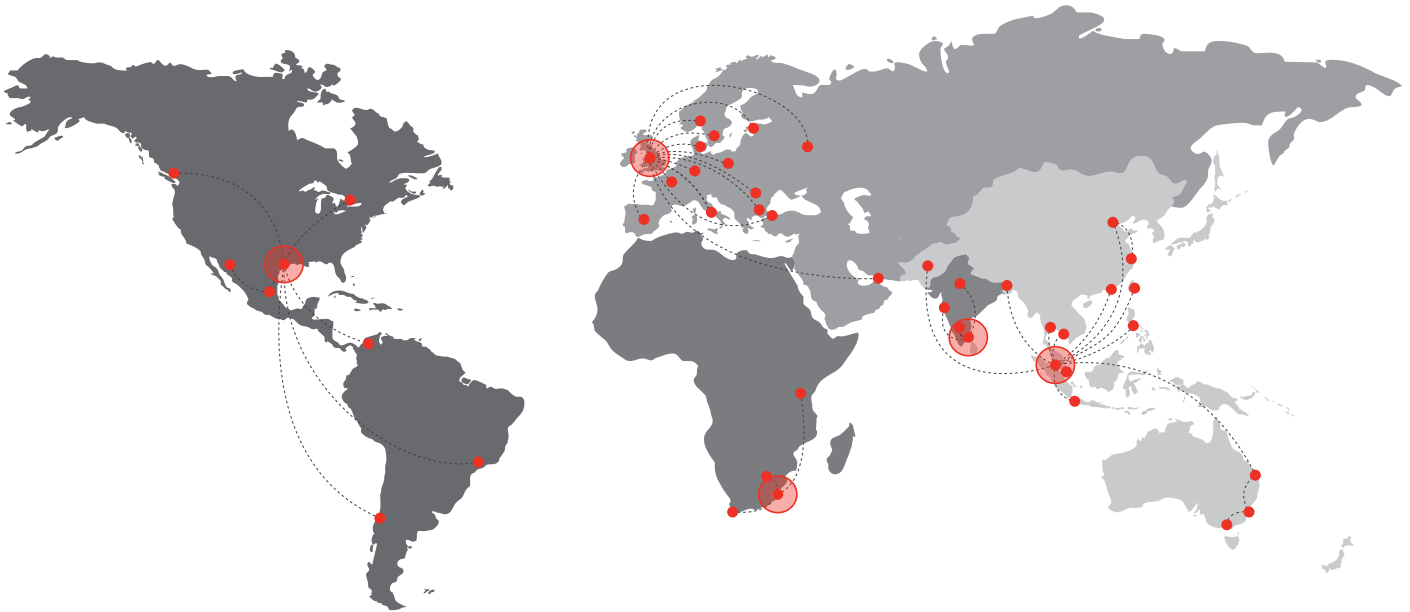


Fast curing for minimum downtime



UV resistant





Flowcrete

World leader in seamless resin flooring solutions and other specialist coatings.

Europe & Middle East

Baltic States	+48 883 303 880	latvia@flowcrete.com
Bulgaria	+359 898 61 58 31	bulgaria@flowcrete.com
Denmark	+46 435 40 01 10	denmark@flowcrete.com
France	+33 1 60 61 74 42	france@flowcrete.com
Germany	+49 4187 50 29 470	germany@flowcrete.com
Italy	+39 339 4853258	italy@flowcrete.com
Norway	+47 6486 0830	norway@flowcrete.com
Poland	+48 22 879 8907	poland@flowcrete.com
Romania	+40 766 596 991	romania@flowcrete.com
Russia	+7 916 931 35 13	russia@flowcrete.com
Spain	+34 937 07 0872	spain@flowcrete.com
Sweden	+46 435 40 01 10	sweden@flowcrete.com
Turkey	+90 212 294 6567	turkey@flowcrete.com
UAE	+971 4 886 4728	uae@flowcrete.com
UK	+44 1270 753 000	uk@flowcrete.com

Africa

East Africa	+254 20 682 1011	eastafrica@flowcrete.com
South Africa	+27 31 701 0017	southafrica@flowcrete.com

India

India	+91 44 4017 6600	india@flowcrete.com
-------	------------------	---------------------

Asia Pacific

Australia	+61 7 3205 7115	australia@flowcrete.com
Bangladesh	+88 02 985 7222	bangladesh@flowcrete.com
China	+86 10 8472 1912	china@flowcrete.com
Hong Kong	+852 2795 0478	hongkong@flowcrete.com
Indonesia	+62 21 252 3201	indonesia@flowcrete.com
Malaysia	+60 3 6277 9575	malaysia@flowcrete.com
Pakistan	+92 337 3159272	pakistan@flowcrete.com
Philippines	+63 2 834 6506	philippines@flowcrete.com
Singapore	+65 6848 7166	singapore@flowcrete.com
Taiwan	+886 916 954 291	taiwan@flowcrete.com
Thailand	+66 2539 3424	thailand@flowcrete.com
Vietnam	+84 28 6287 0846	vietnam@flowcrete.com

Americas

Brazil	+55 11 3230 1107	brazil@flowcrete.com
Canada	+1 604 628 1782	canada@flowcrete.com
Chile	+56 2 2938 1962	chile@flowcrete.com
Colombia	+57 1 381 9254	colombia@flowcrete.com
Mexico	+01 800 099 0468	mexico@flowcrete.com
USA	+1 936 539 6700	usa@flowcrete.com

*Whilst every care has been taken to ensure that the information included in this document was accurate at the time of printing, Flowcrete reserves the right to change product specifications at any time without prior notice. The photographs and colours reproduced in this publication are within the constraints of the printing process and are not to be used for matching purposes. All photographs are used for approximate representation only and may not show the actual products on offer. E&OE.