

CONTROLTECH™ VE-M

ControlTech VE-M system is a mortar laminate reinforced, high-performance novolac vinyl ester utilising Sherwin-Williams Magnalux™ VEL. Ideal for the protection of concrete secondary containment and process areas.

A highly impermeable lining system which is resistant to chemical attack from a wide range of common chemical solutions including inorganic acids.

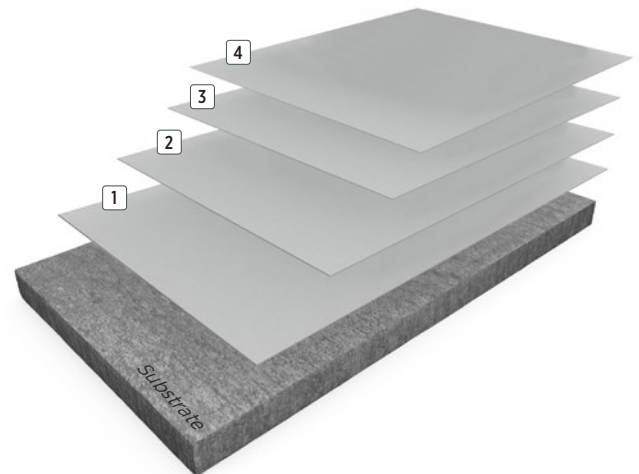
The vinyl ester mortar basecoat and reinforcement offers enhanced protection against thermal shock and heavy traffic/loading.

BENEFITS

- Excellent acid resistance
- Thermal shock resistant
- Easily cleaned
- Seamless
- Available in a range of colours
- WHG certification for secondary containment (Germany)

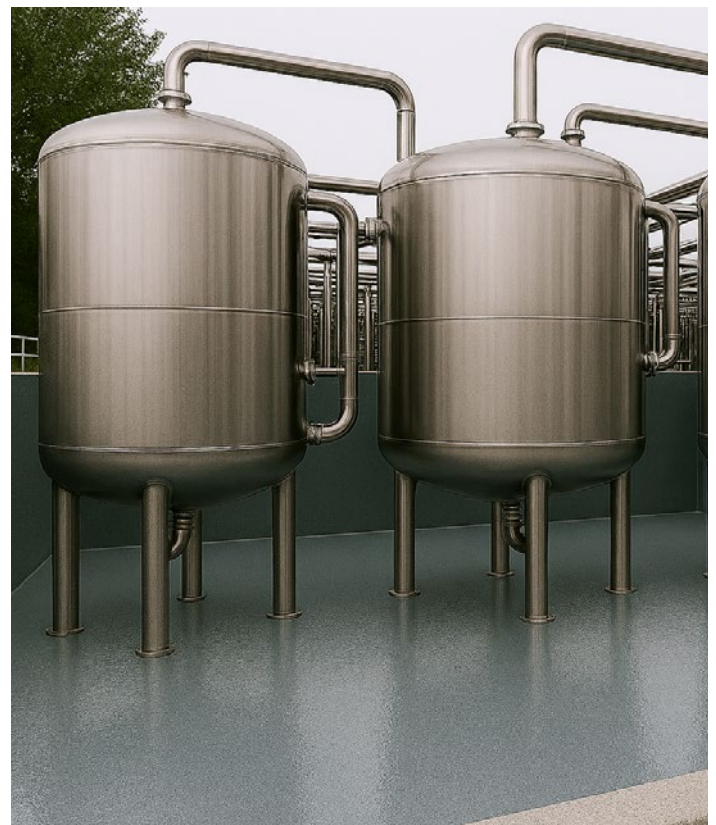
USES

- Refinery bund areas
- Terminal tank farms
- Loading areas
- Pharmaceutical manufacturing
- Chemical plants
- Food and beverage manufacturing
- Water treatment areas
- Semiconductor manufacturing
- Industrial manufacturing
- Anaerobic digestors
- Energy from waste facilities



- 4 Saturated & Surface Veil: **Magnalux VE Solution** + 1.5ppw Hardener + 30g/m² Glass fibre tissue
- 3 Saturated & Reinforcement: **Magnalux VE Solution** + 1.5ppw Hardener + glass fibre chopped strand matting (300g/m² Vetrotex M123)
- 2 Saturated & Reinforcement: **Magnalux VE Solution** + 1.5ppw Hardener + glass fibre chopped strand matting (300g/m² Vetrotex M123)
- 1 Sealer: **Magnalux VE Solution** + 1.5ppw Hardener + 100 - 200ppw fine grey powder

1500µm (1.5mm)



FEATURED COLOURS



RAL 7031



RAL 7032



Black

This reproduction approximates the actual colour. Factors such as the type of product, degree of gloss, texture, size and shape of area, lighting, heat, or method of application may cause colour variance.

SYSTEM COMPOSITION

Coat	Product options	Theoretical consumption kg/m²	Application
Sealer	Magnalux VE + 100-200ppw powder	1.2	Trowel
Saturant	Magnalux™ VE	0.9	Roller
Reinforcement	300g/m² CSM	0.45	
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Reinforcement	300g/m² CSM	0.45	
Saturant	Magnalux™ VE	0.9	Roller
Surface Veil	300g/m² CSM		
Approximate thickness 1500µm (1.5mm)			

TYPICAL CURE TIMES

Temperature	10°C	20°C	30°C
Foot traffic	6 - 8 hrs	2 hrs	90 mins
Full traffic	24 - 36 hrs	12 hrs	8 hrs
Full chemical cure	10 - 12 days	7 days	5 days

CHEMICAL RESISTANCE

Chemical	Resistant for 72 hours
Sulphuric acid 80%	No change
Hydrochloric acid 37%	No change
Nitric Acid 40%	No change
Phosphoric Acid (all concentrations)	No change
Acetic Acid (all concentrations)	No change
Sodium Hypochlorite 17%	No change
Methanol	No change
Hydrogen Sulphide (all concentrations)	No change
Trichloroethylene	No change
Formic Acid	No change

TYPICAL PHYSICAL PROPERTIES

Bond strength	BS EN 13892 - 8:2002	>3 N/mm ² (substrate failure)
Tensile strength to break	ISO 527	73 N/mm ²
Static Crack Bridging Ability	Maximum 0.2mm	

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

