

CONTROLTECH™ VE-LR

ControlTech VE-LR is a high chemical resistant, glass fibre reinforced novolac vinyl ester lining system utilising Sherwin-Williams Magnalux™ VEL for process and secondary containment environments.

This lining system is resistant to chemical attack from a variety of aggressive chemical solutions.

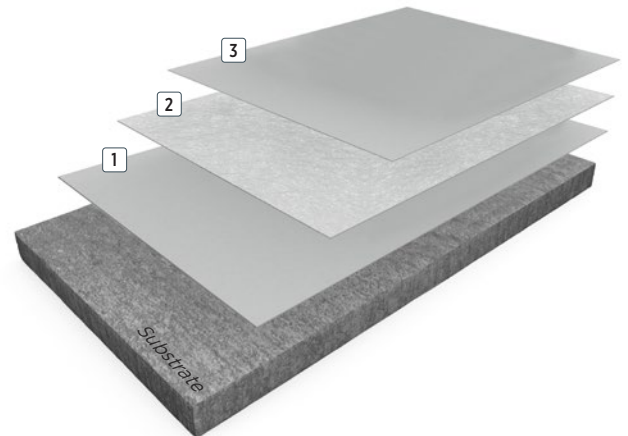
The vinyl ester and reinforcement offers enhanced protection against thermal shock and traffic/loading.

BENEFITS

- Resistance to many organic/inorganic acids and other aggressive chemicals including bleach
- Excellent resistance to thermal degradation
- Smooth finish
- Easily cleaned
- Seamless
- Available in a range of colours
- WHG certification for secondary containment (Germany)

USES

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



- 3 Saturant & Surface Veil: **Magnalux VE Solution** + 30g/m² Glass Fibre Tissue
- 2 Saturant & Reinforcement: **Magnalux VE Solution** + Glass Fibre Chopped Strand Matting (300gm² Vetrotex M123)
- 1 Sealer: **Magnalux Solution** + 100-200ppw fine grey powder

2000µm (2mm)



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. Substituting other manufacturers' colours may not be representative of our blends. Contact your Sherwin-Williams representative for details.

SYSTEM COMPOSITION

Coat	Product options	Theoretical consumption kg/m ²	Application
Sealer	Magnalux VE + 100ppw Powder	1.2	Trowel/Roller
Saturant	Magnalux™ VE	0.9	Roller
Reinforcement	300g/m ² CSM	0.3	
Saturant	Magnalux™ VE	0.9	Roller
Surface Veil	30g/m ² CSM	0.03	
Approximate thickness 2000µm (2mm)			

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 elongation	ASTM D638	0.45%
Tensile strength	ASTM D638	3000 psi

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.

