

CONTROLTECH™ VE-HB

ControlTech VE-HB is a highly chemical resistant, glass fibre reinforced novolac vinyl ester lining system utilising Sherwin-Williams Magnalux™ 41V2.

This highly impermeable lining system is resistant to chemical attack from aggressive chemical solutions in process and secondary containment environments.

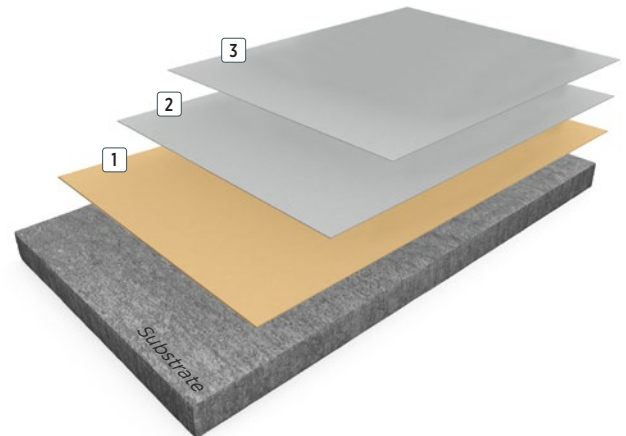
BENEFITS

- Resistant to many organic/inorganic acids and other aggressive chemicals including bleach
- Excellent resistance to thermal shock
- Easily cleaned
- Seamless
- Available in a range of colours
- Extremely low permeability

USES

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

Note: A graphite flake topcoat is available for certain chemical exposures

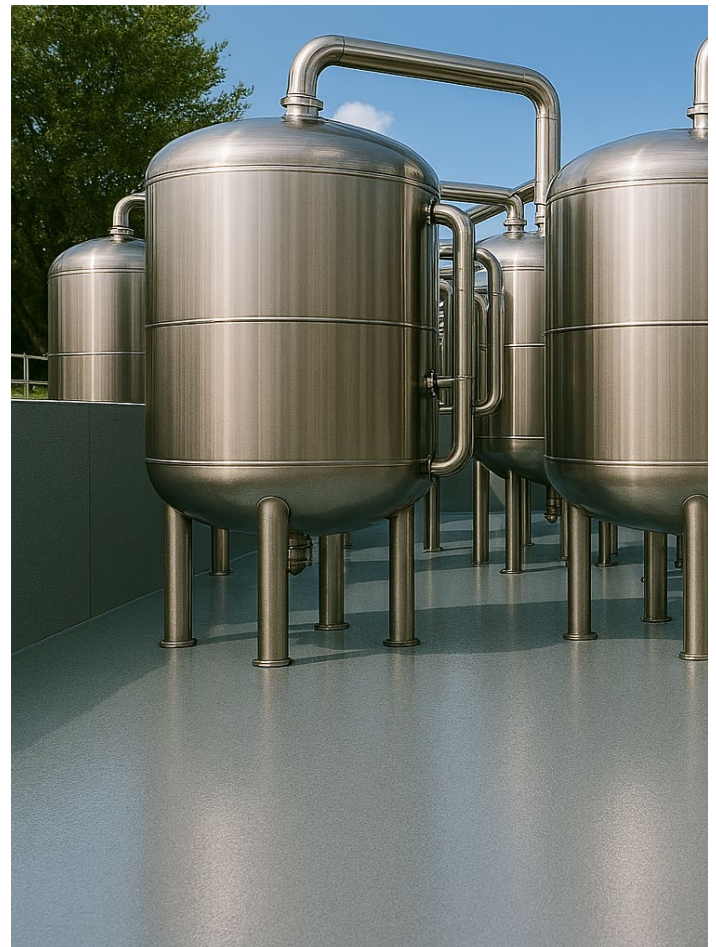


3 Topcoat: **Magnalux 41V2**

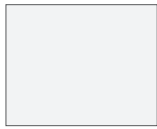
2 Basecoat: **Magnalux 41V2**

1 Sealer: **Magnalux 42PP**

900µm (0.9mm)



FEATURED COLOURS



Off White



Light Grey

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™ 42PP	0.1	Spray/Roller
Basecoat	Magnalux 41V2	1.4	Spray/Roller
Topcoat	Magnalux 41V2	1.4	Spray/Roller
Approximate thickness 900µm (0.9mm)			

TYPICAL CURE TIMES

Temperature	10°C	20°C	30°C
Foot traffic	8 hrs	6 hrs	4 hrs
Full traffic	48 hrs	24 hrs	16 hrs
Full chemical cure	5 days	3 days	24 hrs

CHEMICAL RESISTANCE

Chemical	Resistant for 72 hours
Hydrofluoric Acid 20% * Use graphite filled version (Magnalux 2200GF)	No change
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

Abrasion resistance	ASTM D4060 CS 17 1kg load 1000 cycles	293 mg
Bond strength	BS EN 13892 - 8:2002	>3 N/mm ² (substrate failure)
Adhesion (steel)	ISO 4624	>12 MPa
Water vapour transmission	ASTM D1653	0.00006 perm in
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.

