

Webertec VE

Vinyl ester resin for high temperature, corrosion, chemical resistance coating or FRP lining system

Webertec VE is a buildup system based on vinyl ester resin, developed for excellent performance in corrosion and chemical resistance applications.



PRODUCT BENEFITS



EXCELLENT ELONGATION



TEMPERATURE RESISTANT



CHEMICAL RESISTANT

USES

Webertec VE is suitable for corrosion-resistant tanks, vats, pipes, wastewater treatment tanks, chemical manufacturing plants, and other equipment and areas. Also, for fiberglass rain forced linings, coatings and monolithic toppings on tanks, floors, troughs and similar applications.

ADVANTAGES

- Excellent impact strength
- For high temperature area
- Excellent in corrosion and chemical resistance
- High tensile elongation

TECHNICAL DATA & PHYSICAL PROPERTIES

Pot Life (28°C)	15 min
Viscosity (28°C)	400 cps ± 50
Bond Strength	> 1.5 MPa (Concrete Failure)
Density (28°C)	1.07 ± 0.05 g/ml
Abrasion Resistance Cleaner	Loss 5 mg (wear cycles 1000 revolutions) Water
Heat Deflection Temperature	100°C (@ 1 - 82 MPa)
Flexural Strength	130 MPa
Barcol Hardness (934-1)	36
Tensile Strength	7.2 kg/mm ²
Tensile Elongation	5 %

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

PROCEDURE & APPLICATION

Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. It must be sound and firm with a compressive strength of 25 MPa and minimum bond strength of 1.5 MPa. Concrete substrates must be prepared mechanically using diamond. Grinding equipment to remove cement laitance and achieve an open textured surface. Cracks and hollows should be properly remedied. Rough contaminations and high spots can be removed by grinding.

Primer

For porous substrates, apply Weberprim EP 38 and allow to cure for 4 - 24 hours.

SAINT-GOBAIN (SINGAPORE) PTE LTD

2 Venture Drive, #13-18,
Vision Exchange, Singapore 608526

(65) 63308288 (65) 63308289

eis.info@saint-gobain.com www.saint-gobain.sg

SAINT-GOBAIN WEBER (M) SDN BHD

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,
42300 Bandar Puncak Alam, Selangor D E, Malaysia

(603) 60389498/97/89 (603) 6038 9507

info.webermalaysia@saint-gobain.com www.saint-gobain.my

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PROCEDURE & APPLICATION



Application

Kindly refer to our Method of Statement for the application.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Webertec VE. Regular cleaning using a single or double-headed rotary scrubber with alkaline detergent is recommended.

CONSUMPTION

Approx. 0.3 kg/m² for Weberprim EP 38.
Approx. 0.7 kg/m² for Webertec VE.

PRECAUTION

Do not apply when the relative humidity exceeds 90% or when the surface temperature to be coated is < 5% above the dew point. Do not apply when temperatures are <5°C and >40°C.

STORAGE & PACKING

Webertec VE is available in 18 kg system. Webertec VE Pigmented is available in 20 kg system. Shelf life of 6 months if unopened, and kept in dry and cool conditions.

COLOURS

- RAL 6010 - Grass Green
- RAL 7042 - Traffic Grey

CLEANING

Clean the tools and equipment immediately after use with thinner.









HEALTH & SAFETY









Good ventilation is required, if not, a portable exhaust fan shall be used. Wear protective clothing, gloves, and goggles during mixing and application process. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medical attention if irritation persists. Please keep out of reach of children.









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CHEMICAL RESISTANCE

Chemical	Concentration	Temperature	Resistance
Acetic Acid	10 %	80 °C	 Resistant
Citric Acid	20 %	25 °C	 Resistant
Hydrochloric Acid	15 %	60 °C	 Resistant
Hydrogen Peroxide	15 %	60 °C	 Resistant
Hydro Bromic Acid	15 %	60 °C	 Resistant
Nitric Acid	25 %	25 °C	 Resistant
Sulfuric Acid	20 %	60 °C	 Resistant
Phosphoric Acid	50 %	40 °C	 Resistant

Chemical	Concentration	Temperature	Resistance
Acetic Acid	20 %	80 °C	 Resistant
Citric Acid	20 %	60 °C	 Resistant
Hydrochloric Acid	40 %	25 °C	 Resistant
Hydrogen Peroxide	3 %	25 °C	 Resistant
Hydro Bromic Acid	48 %	25 °C	 Resistant
Nitric Acid	20 %	40 °C	 Resistant
Sulfuric Acid	70 %	25 °C	 Resistant
Phosphoric Acid	10 %	80 °C	 Resistant

Chemical	Concentration	Temperature	Resistance
Acetic Acid	100 %	25 °C	 Resistant
Citric Acid	50 %	25 °C	 Resistant
Hydrochloric Acid	37 %	60 °C	 Resistant
Hydrogen Peroxide	30 %	60 °C	 Resistant
Hydro Bromic Acid	60 %	25 °C	 Resistant
Nitric Acid	65 %	30 °C	 Limited
Sulfuric Acid	98 %	25 °C	 Limited
Phosphoric Acid	80 %	25 °C	 Resistant

Three classes of resistance are used:

R : Resistant (Assuming that reasonable standards of cleanliness are maintained)

L: Limited resistant (Infrequent spillages are tolerated if the floor is washed down or the spillage evaporates quickly)

NR : Not Resistant (Floor is severely attacked rapidly even by small spillages)

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Apr '24)

bizSAFE³



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