

VUKA RESIST V-1

SYSTEM DESCRIPTION

This lining is intended for the protection of either **concrete or steel** and is based on specialist synthetic resins strengthened with a fiberglass membrane and a resin rich surface veil. The reinforcement helps to modify expansion and contraction properties of the lining to more closely match that of the substrate. This allows the system to operate at elevated temperatures and under fluctuating thermal conditions. The system is designed to withstand physical abuse, impact damage as well as bridge cracks in concrete. Resist V-1 is engineered to provide maximum chemical resistance.

SYSTEM DESIGN

Resist V-1 Primer.
Resist V-1 Silica filled resin – Base coat.
Layer of 450gms/m² chopped strand glass fibre.
Resist V-1 resin saturant.
Surface Veil.
Resist V-1 **waxed** resin top coat.
System is a nominal 3-4mm thick.
Anti – slip aggregate – (optional)

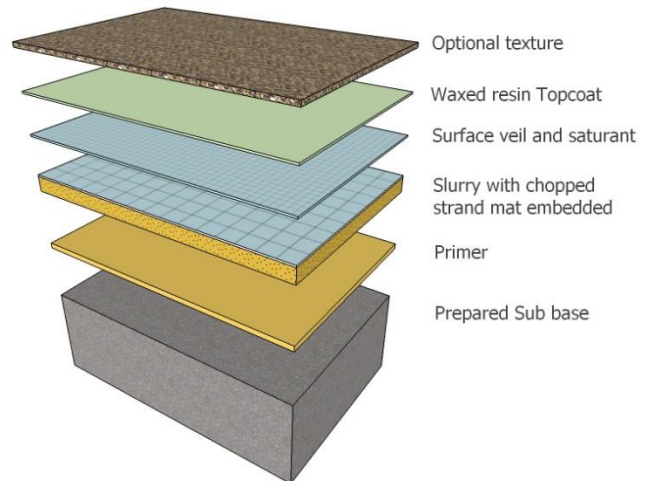
SYSTEM ADVANTAGES

Excellent corrosion resistance.
Excellent impact and abrasion resistant.
Exceptional thermal shock resistance 75°C.
Low permeability.
High cohesive strength and flexibility.
Superior bonding qualities.
Easy to install and repair.
Only installed by accredited applicators

CORROSION RESISTANCE

Resist V-1 lining is resistant to corrosive acids, alkalis, salts and solvents up to 75°C under immersed conditions.
Contact our technical department for chemical resistance recommendations for chemical and temperature environments.

ILLUSTRATION



SUGGESTED USES

Resist V-1 laminate is used primarily to protect steel and concrete in
Tank farms.
Bunded areas.
Chemical loading / unloading bays.
Storage vessels.
Channels and sumps.
Process plants

SUBSTRATE REQUIREMENTS

Concrete substrate must have a minimum tensile strength of 1.5N/mm² and a compressive strength of 25N/mm² after mechanical preparation and be free of all contaminants.
The residual moisture content may not exceed 5% when recorded on an approved electronic moisture meter. If a damp proof membrane has not been included in the construction, revert to our technical department for advice.
Steel substrates should be grit blasted to SA 2½ with an anchor pattern of 75 – 100 microns.

VUKA RESIST V-1

INSTALLATION SERVICE

The installation shall be carried out by a Vuka Floor approved contractor with a documented quality assurance program.

All work to be executed in accordance with our comprehensive installation methodology.

Different environments cannot always be covered by a standard blanket specification, therefore always contact our technical department for a project specific design.

CURING

The curing time may vary depending upon ambient and surface temperatures, however the surface of Resist V-1 will be tack free in 12 hours at 25°C.

The lining may be put back into service after 36 hours at 25°C.

STORAGE

If stored in original, unopened and undamaged sealed containers in dry conditions at temperatures between +5 C and +30 C.

Part A & B: 12 months from date of production.

HEALTH AND SAFETY

The use of proper protective clothing and equipment will reduce the risk of injury.

In case of an accidental contact flush the area with copious amounts of water for 15 minutes and seek medical attention. Also provide the doctor with the MSDS sent by the manufacturer.

REFERENCE PANEL

A reference sample should be installed by the applicator prior to the start of the contract to ensure correct coverage, workmanship and acceptance by the client as a standard for the project.

FURTHER INFORMATION

This product will change in colour over time. Especially when subject to high levels of UV and or chemical attack. For best colour stability consult our technical department. This does not compromise the products physical and chemical resistance characteristics.

Vuka Floors products are guaranteed against defective materials and manufacture and are sold subject to its Terms and Conditions which may not be overridden in any other legal documentation.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience at the date of issuance it is subject to change without prior notice. User must contact Vuka Floors to verify correctness before specifying or ordering. No warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

Figures given for consumption / spread rates are theoretical and do not allow for additional materials due to surface profile, porosity, variations in level and wastage etc.