



# FLOORING

## SikaCor VEL

CHEMICAL RESISTANT SYSTEM

BUILDING TRUST



# PROTECT, SECURE, DESIGN

Protecting your business, your assets and the environment from potential chemical damage or contamination is one of the most important issues facing companies today.

Chemicals can quickly degrade and corrode most building or plant surfaces. While many chemical resistant coatings will resist a limited range of chemicals in their diluted form they often fail when:

- Concentrations rise via evaporation
- There is a change in the type of chemicals being stored
- The substrates crack or move
- Chemical leaks go undetected

## WHAT IS SikaCor VEL?

It is a very high performance fiberglass reinforced laminate utilising a premium, highly chemical resistant grade of vinyl ester resin. It is liquid applied on site so it easily follows the shape of your chemical storage or processing facility. The heavy reinforcement ensures excellent crack bridging ability and high tensile strength to resist cracking caused by structural movement of the substrate.

## WHERE IS SikaCor VEL USED?

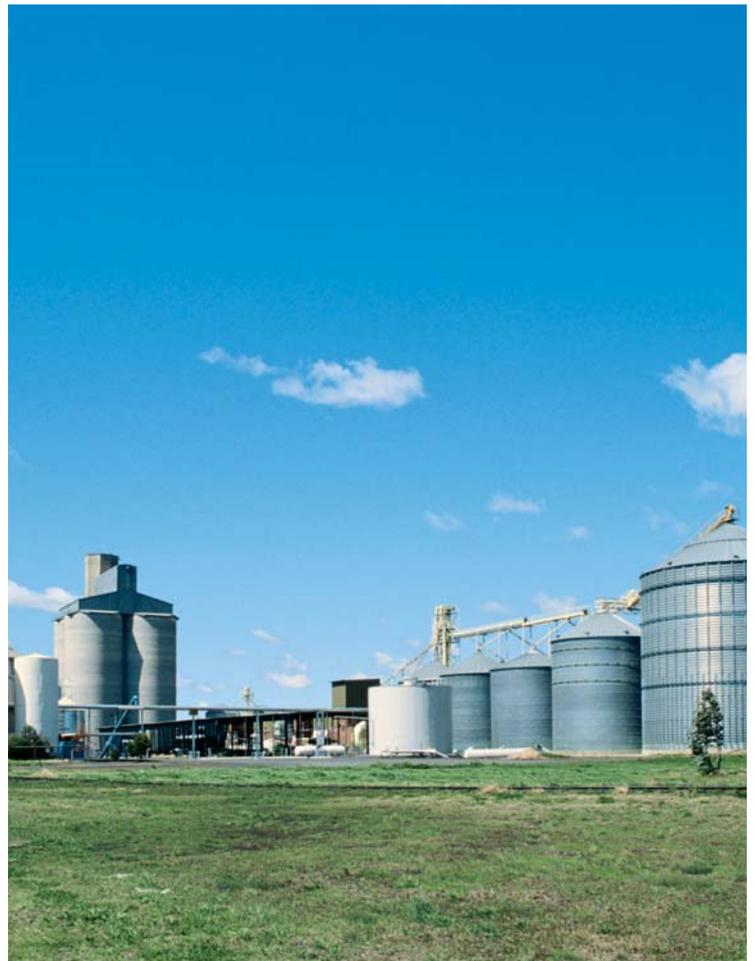
SikaCor VEL has unrivalled protection against particularly aggressive chemicals such as organic and inorganic acids, alkalis, oxidizing chemicals, solvents, hydrocarbons and leachates. It has resistance up to: 50% hydrofluoric acid (requires a special surfacing veil in the reinforcement), 96% sulphuric acid, 50% caustic soda, 65% Nitric acid, 12% sodium hypochlorite and a wide range of other aggressive chemicals.

## USED IN:

- Chemical industry
- Steel industry
- Energy generation
- Pulp and Paper Industry
- Tanks and secondary bunding
- Water Industry
- Foodstuff and beverages industry
- Textile industry
- Waste water industry
- Collection troughs and containers
- Chemical storage processors

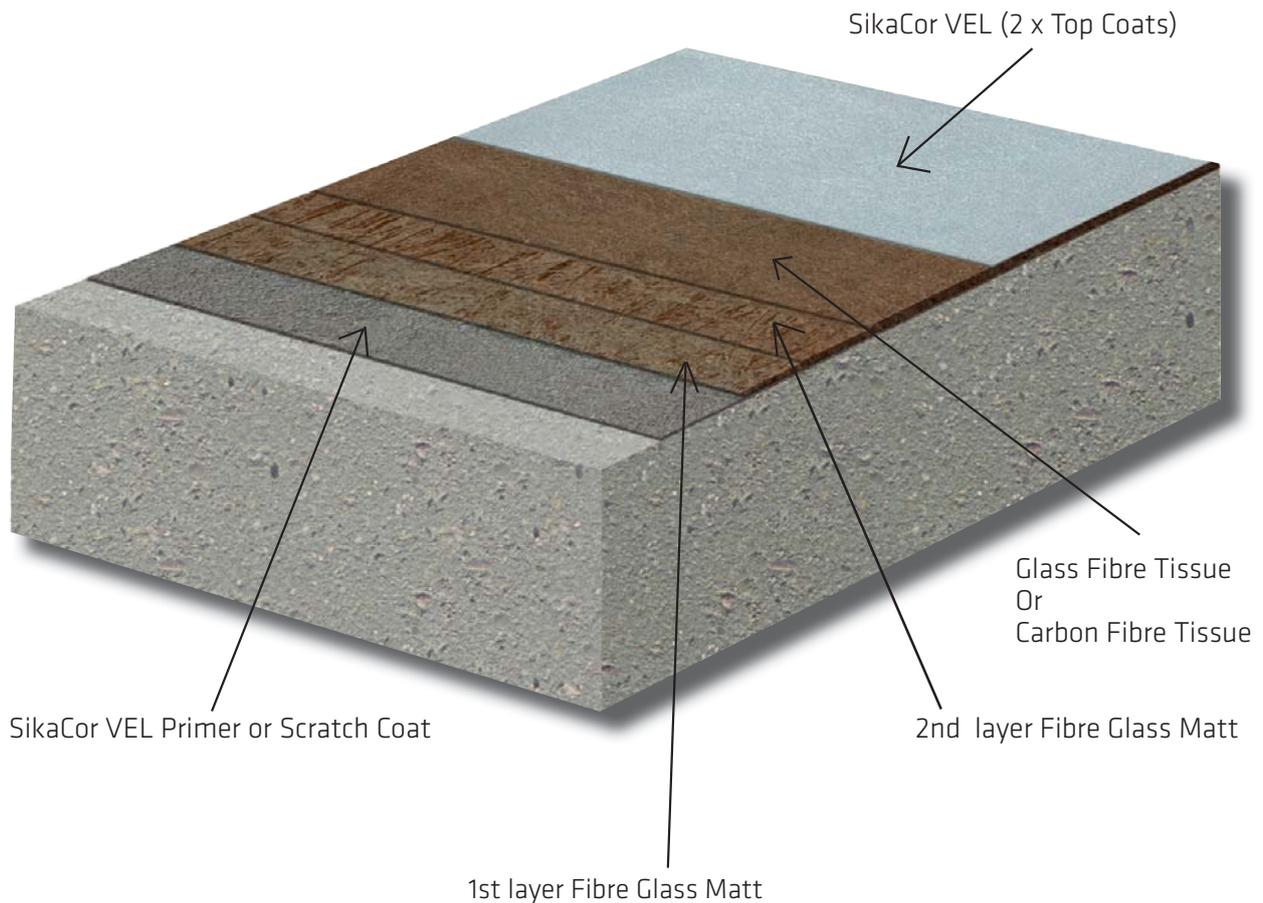
Unsuitable chemical resistant finishes can give a false sense of security until the unthinkable happens.

Making the right decisions early and investing in the best available chemical resistant finishes for your storage, manufacturing and process areas will quickly payback the investment through reduced maintenance and downtime, while protecting the environment from hazardous contamination. Apart from the legal and financial responsibilities associated with storage of hazardous materials, we all collectively have a moral responsibility to protect our planet.



**Sikacor VEL CAN BE APPLIED TO A WIDE VARIETY OF BUILDING SURFACES INCLUDING STEEL AND CONCRETE**

# SikaCor VEL



## SikaCor VEL CHEMICAL RESISTANCE

Many years of investigations and practical experience have resulted in the classification of chemical resistance. The tests always refer to the resistance against the chemical mentioned in that specific case. If the product sample is being subjected to a number of chemicals at the same time, the resistance of the product sample must be investigated under special operating conditions (temperature, pressure, concentration).

This applies especially if the sample is not only being subjected to an acid or alkaline solution but also to a solvent or an oxidizing substance. At this point we would also like to refer

to the 'Chemical resistance of coating, bedding and pointing compounds' written by the committee "Linings and cements" as part of the Dechema committee "Corrosion and protection against corrosion". Our investigations are also based on this guideline. The knowledge gained in day-to-day practice has also been included in this summary. Solids were tested as aqueous solutions. At 20 °C they are equivalent to saturated solutions. If nothing to the contrary has been stated, the resistance specified applies at boiling point. In the case of agents, the boiling point of which is above the temperature resistance of the respective SikaCor VEL cement, the resistance test was carried out at the temperature specified.



## FOR MORE SikaCor VEL INFORMATION:



### WHO WE ARE

Sika AG, Switzerland, is a globally active speciality chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, façades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature high quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply.  
Please consult the Data Sheet prior to any use and processing.



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