



**resoltech**  
ADVANCED COMPOSITE TECHNOLOGY

# VI 5080

## RESOLCOAT VINYLESTER COATING

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**RESOLCOAT VI 5080 is a vinylester coating that combines very high chemical resistance with superior temperature resistance. VI 5080 was formulated for the protection of tanks, pipes and systems in contact with highly corrosive substances.**

**It contains mica flakes. Its ease of use and durability make it an ideal coating for severe anti corrosion applications.**

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### PREPARATION

RESOLCOAT VI 5080 can be applied onto different surfaces such as steel, concrete, fiberglass and most stable supports. The surface should be thoroughly cleaned and free of dust and grease. It is best to sandblast the surface prior to application. A coat of VI 5010 primer is recommended.

### MIXING

The 5080 resin system should be used with standard MEKP catalyst. Proportions to be between 1 and 3% by weight.

### APPLICATION

RESOLCOAT VI 5080 can be applied by brush, roller or airless spray.

The ambient temperature should be between 15°C and 30°C.

It is important to ensure a good ventilation and/or the use of masks with filters as the system contains styrene solvent.

The system can easily be applied on vertical and overhanging surfaces. Several layers can be applied, with a minimum of two coats.

The cured surface is smooth and non-sticky. The cured system is tough and insensitive to strong chemicals, acids, chlorinated products.

Coverage is 800g/m<sup>2</sup> for a coat of 600 microns.

### CURING

Gel time at 25°C, with 2% of MEKP catalyst it 1 to 2 hours.

It is best to let the system cure in a dry environment.

## **PHYSICAL & MECHANICAL PROPERTIES**

Properties given for a temperature of 25°C.

Resin: thixotropic liquid. Different colours available.

MEKP Catalyst: Clear liquid.

Density: 1.25

Styrene content: 35%

Flexural strength: 23 MPa

Compression strength: 45 MPa

Barcol hardness: 40

Deflexion temperature under load: 145°C

Permeability: 0.04 Perms

## **PACKING & STORAGE**

RESOLCOAT VI 5080 is available in packs of 1.02Kg, 5.10Kg & 25.50Kg.

Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold. The containers should be stored in a ventilated area.

## **HEALTH AND SAFETY**

VI 5080 is a vinylester system that contains 35% of styrene. Appropriate ventilation should be provided during the application of the product.

It is advised to follow basic rules such as avoiding skin contact, wear masks when producing dust. Please read our standard health and safety sheet for more information.

In case of eye contamination, wash with water and seek medical advice.

More information is available on [www.resoltech.com](http://www.resoltech.com).

The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.

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