



**resoltech**  
ADVANCED COMPOSITE TECHNOLOGY

# VI 5030

## VINYLESTER LAMINATING SYSTEM

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**RESOLTECH VI 5030 is a vinylester (modified epoxy) system formulated to produce high performance laminates with glass, aramid and carbon reinforcements. VI 5030 features a low viscosity, good thermal properties and high resistance to water and chemicals. VI 5030 is commonly used to laminate structural parts, mostly for tanks, shafts and components that will be in contact with chemicals.**

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### **MIXING**

The VI 5030 resin system should be used with standard MEKP catalyst. Proportions to be between 1 and 3% by weight/volume.

### **APPLICATION**

RESOLCOAT VI 5030 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 is used as a matrix for the lamination of glass, aramid and carbon structures.

The system can easily be applied on vertical and overhanging surfaces. The cured surface is smooth and non-sticky. The cured system is tough and insensitive to strong chemicals, acids, chlorinated products.

### **CURING**

Gel time        40mn withy 1.5% MEKP.

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

## PHYSICAL PROPERTIES

Resin aspect	Purple thixotropic liquid
Catalyst aspect	Clear liquid
Styrene content	35%
Mixture density	1.08
Cured density	1.15

## & MECHANICAL PROPERTIES

Tensile strength	70 MPa
Tensile modulus	3,500 MPa
Flexural strength	130 MPa
Flexural modulus	3,800 MPa
Elongation	3.5%
Barcol hardness	40
Heat deflexion temp	145°C (under load)

## PACKING & STORAGE

RESOLTECH VI 5030 is available in packs of 1.02Kg, 5.10Kg & 20.40Kg.  
Shelf life is six months 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

RESOLTECH VI 5030 is a vinylester system that contains 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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**RESOLTECH SARL**  
resolving your engineering challenges  
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