



resoltech
ADVANCED COMPOSITE TECHNOLOGY

VI 5010

RESOLCOAT VINYLESTER PRIMER

RESOLCOAT VI 5010 is a vinylester primer that combines very high chemical resistance with superior adhesion to supports such as steel, concrete and fiberglass. It is based on an accelerated epoxy resin. Its low viscosity and adjustable working time make it an ideal primer for anti corrosion applications. It improves the adhesion of vinylester coatings and can also be used to fill cracks and gaps.

PREPARATION

RESOLCOAT VI 5010 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.

MIXING

The 5010 resin system should be used with standard MEKP catalyst. Proportions to be between 1 and 3% by weight.

2 versions of the resin system are available: Summer and Winter. The only difference being the curing time.

APPLICATION

RESOLCOAT VI 5010 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.

Powder additives can be added to the system to fill gaps or cracks.

Colloidal silica, microballoons and glassbubbles are compatible.

We suggest filling gaps and cracks first, before applying a coat over the whole surface.

CURING

Gel time at 25°C, with 1.5% of MEKP catalyst:

“Summer version”: 30 minutes.

“Winter version”: 60 minutes.

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

PHYSICAL & MECHANICAL PROPERTIES

Properties given for a temperature of 25°C.

Resin: Yellow liquid.

MEKP Catalyst: Clear liquid.

Viscosity: 350mPas.

Density: 1.02

Styrene content: 40%

Tensile strength: 77MPa

Tensile modulus: 3100 MPa

Maximum elongation: 8%

Flexural strength: 135 MPa

Flexural modulus: 3200 MPa

Barcol hardness: 33

Adhesion onto steel: 10 MPa

Deflexion temperature under load: 85°C

PACKING & STORAGE

RESOLCOAT VI 5010 is available in packs of 1.02Kg, 5.1Kg & 20.4Kg.

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 5010 is a vinylester system that contains 40% 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.

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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