

## RESOLCOAT

# 9040PX

## POLYESTER GELCOAT EPOXY COMPATIBLE

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**RESOLCOAT 9040PX** is a polyester gelcoat available in a wide range of colours. Its special formulation allows for good adhesion properties with epoxy resin systems.

RESOLCOAT 9040PX combines the advantages of the perfect surface finish of a polyester gelcoat with the superior mechanical performance of an epoxy laminate.

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### MIXING RATIO

RESOLCOAT 9040PX is a polyester system. Catalyst should be added to promote the cure. The level of catalyst to add should be **between 1.5% and 2.5%**.

Catalyst should be P MEC at 50%.

RESOLCOAT 9040PX is supplied pre-accelerated.

We advise to stir the gelcoat prior to mixing the catalyst.

### APPLICATION

RESOLCOAT 9040PX can be applied by brush or airless spray. It is available in two versions with different viscosities.

For spraying applications, it is possible to add solvent. If acetone is to be used, it should not exceed 10%.

Workshop temperature should be between 18°C and 25°C.

Humidity level should be below 85%.

For more information, please refer to the applications technical bulletins (TechNotes), available on request.

Film thickness should be between 300 and 500 microns, depending on the type of product manufactured.

We do not advise using RESOLCOAT 9040PX for the manufacture of moulds or for applications in contact with highly corrosive chemicals.

In case of first time use of this product, we advise to carry out a test with the selected epoxy laminating system.

### CURING

The curing process is similar to all polyester gelcoats.

We advise allowing at least 1H 15mn and 3 hours depending on the ambient temperature prior to overcoating the gelcoat.

## **PHYSICAL PROPERTIES**

Viscosity of the "Airless" version at 23°C (Brookfield RV):

50 rpm	1500 to 2000 mPas
5 rpm	7000 to 11000 mPas

Viscosity of the "Standard" version at 23°C (Brookfield RV):

50 rpm	3500 to 4000 mPas
5 rpm	10000 to 14000 mPas

## **PACKING & STORAGE**

RESOLCOAT 9040PX is available as follow:

25kg, 30kg, 220kg packs.

Shelf life is three months in sealed containers as provided. Keep containers sealed and away from heat and cold, preferably below 25°C.

Failure to follow the above storage requirements may lead to the degradation of the product (gelling properties, viscosity, reactivity).

We advise stirring the gelcoat prior to use.

## **HEALTH AND SAFETY**

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.

RESOLCOAT 9040PX is a solvented system. It should be used in a well ventilated area.

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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