



**RESOLCOAT**

**7080**

**EPOXY GELCOAT**

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**RESOLCOAT 7080** is an epoxy gelcoat providing a long working time and high mechanical and thermal properties. TG > 100°C.  
This non-solvented gelcoat can be applied by airless spray, roller or brush.  
It can be released after an ambient temperature cure.

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#### **MIXING RATIO**

By weight: 100 + 15.  
By volume: Not available.  
Hardener available: 7086.

**WARNING:** The mixing ratio must be accurately followed. It is not possible to change the ratio, it would result in lower mechanical properties. The mixture should be thoroughly stirred to ensure full homogeneity.

It is important to note that epoxy systems tend to heat up much faster in a pot than as a thin film. It is therefore necessary to only mix the necessary amount usable within the given pot life. Keeping the mixture in flat open containers reduces the risks of exothermic reaction.

#### **APPLICATION**

The standard procedure of working with epoxy systems applies to the RESOLCOAT 7080.  
The system can be applied by brush, roller or airless spraygun.  
Applying another layer over a cured surface requires prior sanding.  
For more information, please refer to the applications technical bulletins (TechNotes), available on request.

#### **CURING**

Workshop conditions: 18 to 25°C, 70% humidity maximum.  
Pot life 20mn  
Pot life given for 1 litre @ 23°C.  
Touch dry 2 Hours  
Hard & sandable 16 Hours  
Full cure 14 days or 15 Hours @ 60°C + 6 hours @ 90°C  
Properties given at 23°C

## **MECHANICAL PROPERTIES**

Tensile Modulus	4,000 MPa
Flexural Modulus	3,800 MPa
Tensile Strength	80 MPa
Flexural Strength	140 MPa

## **PHYSICAL PROPERTIES**

Resin aspect	Coloured gel
Hardener aspect	Clear liquid
Mixture aspect	Coloured gel (white as standard)
Density of mixture	1.35
TG	110°C

Above values given at 23°C.

## **PACKING & STORAGE**

Resolcoat 7080 is available as follow:

1kg, 5.75kg, 28.75kg.

Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold.

## **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.

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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