



**RESOLCOAT**

**VLS UV**

**EPOXY VARNISH-LACQUER  
CLEAR & FLEXIBLE**

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**RESOLCOAT VLS UV** is a clear and UV stable epoxy varnish formulated to produce high gloss thick coatings to enhance wood or other supports. It is waterproof, easy to apply in films 1mm to 4mm thick. It combines low toxicity, high mechanical and abrasion resistance.

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**MIXING RATIO**

By weight: 100 + 70.

By volume: 4 + 3.

Hardener available: VLS B.

**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 VLS UV. The system can be applied by brush or roller.

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 30mn

Pot life given for 200g @ 23°C.

Touch dry 4 hours 30 mn

Cured 6 hours 30 mn

Properties given at 23°C

## **MECHANICAL PROPERTIES**

Impact resistance 18 Joules

## **PHYSICAL PROPERTIES**

Resin aspect: Slightly blue liquid  
Hardener aspect: Clear, vaguely pale yellow liquid  
Resin viscosity 1200mPas  
Hardener viscosity 1200 mPas  
Viscosity of mixture 1200 mPas  
Density of mixture 1.1  
Gloss 60° 104  
TG 45°C

Above values given at 23°C.

## **PACKING & STORAGE**

Resolcoat VLS UV is available as follow:

1.07kg, 8.5kg, 51kg, 340kg.

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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**RESOLTECH SARL**  
resolving your engineering challenges  
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