



resoltech
ADVANCED COMPOSITE TECHNOLOGY

1070S

CLEAR EPOXY LAMINATING SYSTEM

RESOLTECH 1070S is a clear epoxy laminating system formulated to produce clear laminates, coats or fillers with good UV stability.

RESOLTECH 1070S is easy to use, cures at ambient temperature and is self leveling.

MIXING RATIO

The mixing ratio is as follow:

By weight: 100+40

By volume: 2+1

Hardener available: 1074.

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 RESOLTECH 1070S.

The system can be applied by hand, infusion and injection. Can be used with additives to produce fillers.

The system is clear and has good UV resistance.

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	40mn	(100g@23°C)
Film touch dry	2 H 30 mn	
Film hard & sandable	12 H	
Full cure	7 days	

MECHANICAL PROPERTIES

Tensile strength	80MPa
Flexural strength	120MPa
Tensile Modulus	3,500MPa
Flexural Modulus	3,400MPa
Tg	50°C (20°C cure)
Max Tg	75°C (8h @ 60°C)

PHYSICAL PROPERTIES

Resin aspect	Purple liquid
Hardener aspect	Clear liquid
Resin viscosity	1,500mPas
Hardener viscosity	70 mPas
Viscosity of mixture	400 mPas
Density of mixture	1.1

Above values given at 23°C.

PACKING & STORAGE

Resoltech 1070S is available as follow:

1.4kg, 7kg, 35kg, 280kg packs.

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**.

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.

RESOLTECH SARL
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