



# 2050

## EPOXY CASTING SYSTEM

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**RESOLTECH 2050 is a high performance epoxy casting system suitable for castings ranging from a few millimetres to several centimetres without shrinkage. The system provides high mechanical properties, is non flammable and allows for large castings to be made in a single operation. Several colours available.**

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### MIXING RATIO

The mixing ratio is constant whatever the hardener selected.

By weight: 100 + 10.

By volume: N/A.

Resin 2050. Hardeners 2053/2056.

**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 2050.

The system can be applied by gravity or by using an applicator.

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

The workshop temperature should be higher than 10°C.

### CURING

Pot life            4H        (100g @ 23°C)

Hard film        16H

Full cure        8 days @ 20°C

## PHYSICAL PROPERTIES

Resin 2050 aspect:	Coloured liquid
Hardener 2053-2056 aspect:	Clear liquid
Resin viscosity	N/A
Hardener viscosity	35 mPas
Density of mixture	1.7

Above values given at 25°C.

## MECHANICAL PROPERTIES

Flexural strength	60 MPa
Compression strength	105 MPa
Elasticity modulus	8,800 MPa
Fire rating	V1 UL94 (ISO10351) (15 seconds)

## PACKING & STORAGE

Resoltech 2050 is available as follow:  
1.1kg, 5.5kg, 38.5kg.

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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