



# RESOLTECH 1050MX2

## FOAMING EPOXY SYSTEM

RESOLTECH 1050MX2 is an epoxy foaming system formulated to laminates over rough foam surfaces and fill small gaps. It can be used by casting, injection, projection and laminating.

RESOLTECH 1050MX2 combines ambient temperature use and cure, low exothermy, variable working time, low viscosity and high mechanical performance.

RESOLTECH 1050MX2 is suitable for the manufacture of complex shaped laminates such as rudders, fins, paddles.

RESOLTECH 1050MX2 does not contains any CFC or banned chemical.

### MIXING

MIXING RATIO	RESIN 1050MX2	HARDENER 1058MHT
BY VOLUME	N/A	N/A
BY WEIGHT	100	34

**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 1050MX2.

The system can be applied by brush, roller, infused or injected.

In case of laminating over a cured surface without peel ply, it is required to deglaze, clean and degrease the support prior to laminating.

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

### CURING

Workshop conditions: 18 to 25°C, 70% humidity maximum.

The foaming reaction starts 4 to 5 minutes after mixing.

Gel time for 70g @ 23°C	17 mn
Max exothermy for 70g @ 23°C	140°C*
Hard & releasable	1 Hour 30 mn

\* For a mass of 70g. Exothermy will be much lower for a film and therefore compatible with polystyrene foams.

## PHYSICAL PROPERTIES

Resin aspect:	Light gel, black
Hardener aspect:	Clear liquid (slightly yellow)
Mixture aspect	Black liquid
Mixture viscosity	250 to 450mPas
Density of mixture	1.1

Above values given at 22°C.

## CURED PROPERTIES

Foam density 0.2 to 0.3 (for a free expansion)

## PACKING, TRANSPORT & STORAGE

Resoltech 1050MX2 is available as follow:

1.34kg (1kg+0.34kg), 6.7kg (5kg+1.7kg), 37.52kg (28kg+9.52kg), 268kg (200kg+68kg).

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

## HEALTH & 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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