

RESOLTECH 1030 H

Data Sheet - 01/08/2010

Hardeners 1035 & 1038

CLEAR EPOXY COATING SYSTEM

- **Clear very high gloss topcoats & varnish**
- **2:1 easy of use mixing ratio, room temperature curing.**
- **Adjustable Gel Time from 20 min. to 45 min.**
- **Good UV resistance.**



RESOLTECH 1030 H is a clear epoxy coating system formulated to produce high gloss coatings with good UV stability and good elongation properties.

The 1030 H system is formulated for the coating wood laminates with high-end finish aspects requirements, enhancing the appearance of the fibres.

A 1030H topcoat is a UV stable durable solution.

The 1035 slow hardener will grant 45 min pot life, while the fast hardener 1038 will grant 20 min of pot life.

Both hardeners have the same mixing ration and are fully compatible, enabling the mixing of the 2 hardeners to obtain intermediate gel times. The viscosity is adapted for squeegee, brush or roller application, and provides a perfect bubble free surface due to its surface tension properties.

The 1030H has no sensitivity to water 2 hours only after its application and thus is recommended for tropical climate application.

COATING

At least 2 coats should be applied to seal wood. Sanding is required between coats unless the second coat is applied within the first coat curing time. A 2 coat application with sanding in between will enhance the surface finish.

LAMINATING

The usual procedure for laminating with epoxy systems should be followed. Resolcoat 1030 is usually applied for sheathing wood with K glass (which becomes transparent and enhances the aspect of the wood surface). It is better to prime the wood first and laminate over it while still wet.

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Resin 1030 H

Hardeners 1035 & 1038

CLEAR EPOXY COATING SYSTEM

MIXING RATIO

	by weight	by volume
Resin 1030 H	100	2
Hardeners 1035 & 1038	45	1

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 this system. The 1030 H can be applied by squeegee, brush, roller. In case of coating a cured surface without peel ply, it is required to deglaze, clean and degrease the support prior to applying the varnish.

It is recommended to have workshop temperature conditions between **18-25°C** in order to facilitate the mixing and the application. A lower temperature will increase the viscosity of the mix as well as its pot life. On the contrary, a higher temperature will reduce the viscosity and the pot life of the mix.

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

PHYSICAL CHARACTERISTICS @ 25°C

Visual Aspect

1030 H : Clear liquid
1035 & 1038 : Clear liquid
Mix : Clear liquid

Density

1030 H : 1,15
1035 & 1038 : 0,98 to 1,00
Mix : 1,10

Viscosity

1030 H : 900 mPa.s
1035 & 1038 : <100 mPa.s
Mix : <400 mPa.s

Resin 1030 H

Hardeners 1035 & 1038

REACTIVITY

POT LIFE

Reactivity measures at 25°C on 100g realized on Trombotech®

1030 H - 1035 (slow): 45 min

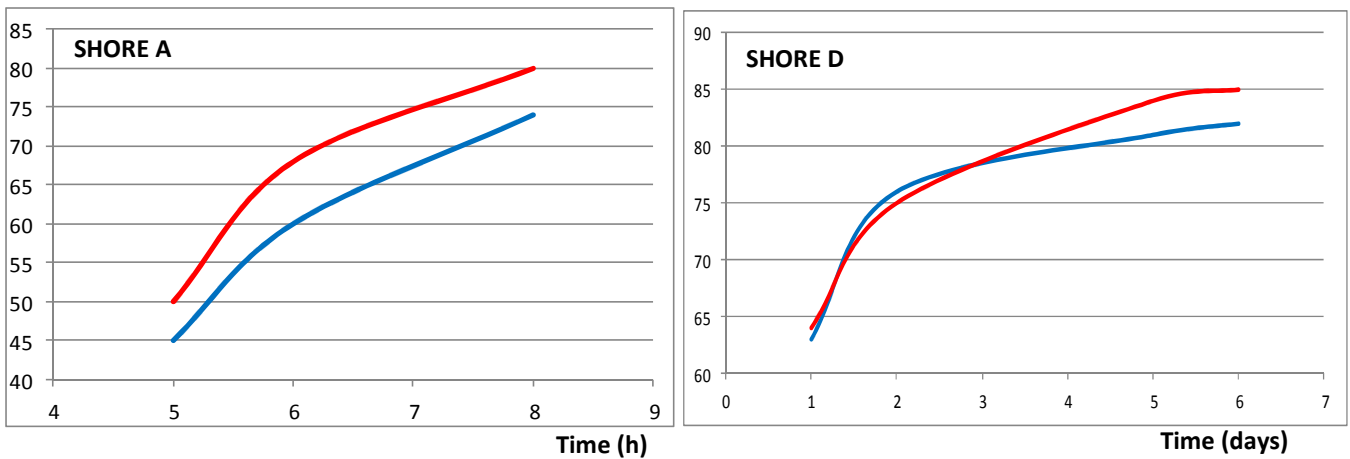
1030 H - 1038 (fast): 20 min

The two hardeners can be pre-blended together to obtain an intermediate pot life between *slow* and *fast* thanks to their identical mixing ratio of 100:45 or 2:1 by volume and perfect compatibility.

@ 25°C	1030 H - 1035	1030 H - 1038
Coating « touch dry »	6h	5h
Coating hard and sandable	36h	24h

MECHANICAL PROPERTIES

HARDENESS



1030 H - 1035 (slow): 83 Shore D (+6 days) ———

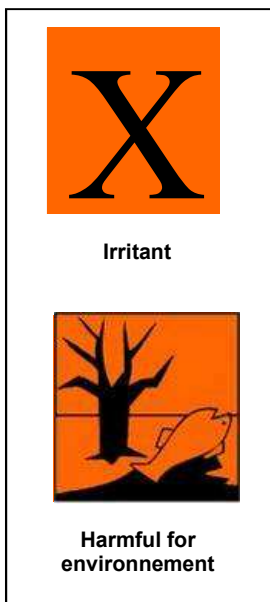
1030 H - 1038 (fast): 85 Shore D (+6 days) ———

Resin 1030 H

Hardeners 1035 & 1038

LABELLING

1030 H



1035-1038



PACKAGING

Plastic jerrycane kit of 1 kg + 0.45 kg.
Plastic jerrycane kit of 4kg + 1,8kg.
Plastic jerrycane kit of 10kg + 4,5kg
Plastic jerrycane kit of 20 kg + 9 kg.
Steel drum kit of 200 kg + 3x30 kg.

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.

TRANSPORT & STORAGE

Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area.

Nota 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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