



resoltech
ADVANCED COMPOSITE TECHNOLOGY

RESOLCOAT 1030

WOOD EPOXY CLEAR VARNISH SYSTEM

RESOLCOAT 1030 is a high performance clear varnish formulated for wood coating applications. It will produce a tough, high gloss & UV stable coating enhancing the finish of the wood.

The system can also be used to laminate clear glass over wood.

FEATURES

- **Ease of use**
- **Low toxicity**
- **UV stable**
- **High mechanical properties**
- **High gloss**
- **High moisture resistance**

MIXING

BY VOLUME 2 to 1

BY WEIGHT 100 + 45

HARDENERS AVAILABLE 1035 Slow, 1038 Fast

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 surfaces should be clean of dust and degreased prior to applying the coating.

The system can be applied by brush or roller.

Wood should be reasonably dry. Workshop temperature above 18°C recommended.

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.

RESTRICTIONS

Do not use the system if the temperature is below 10°C.

Avoid keeping large amounts in a container, especially with fast hardeners.

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CURING

| | | |
|---------------------|----------------------|----------------------|
| Pot life (70g@22°C) | 45mn (1035 hardener) | 20mn (1038 hardener) |
| Full cure | 14 days @ 22°C | |
| Max TG | 55°C | |

PHYSICAL PROPERTIES

| | |
|--------------------|--------------------|
| Resin aspect | Pale yellow liquid |
| Hardener aspect | Clear liquid |
| Mixture aspect | Pale yellow liquid |
| Resin viscosity | 900 mPas |
| Hardener viscosity | 100 mPas |
| Mixture viscosity | 400 mPas |

MECHANICAL PROPERTIES

| | |
|---------------------|-----------|
| Tensile strength | 60 MPa |
| Tensile modulus | 3,000 MPa |
| Flexural strength | 90 MPa |
| Flexural modulus | 3,000 MPa |
| Elongation at break | 12% |
| Impact resistance | 35 KJ/M2 |

PACKING & STORAGE

RESOLCOAT 1030 is available in packs of 1.45Kg, 5.8Kg, 31.9Kg and 290Kg.
Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold. Do not store in freezing temperatures.

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 skin contact, just wash with water as it is water soluble.

In case of eye contamination, wash with water and seek medical advice.

More information is available on www.resoltech.com.

NOTICE. Due to its policy of continual development and improvement, Resoltech reserves the right to alter specifications and prices without prior notice. Any information is given in good faith, based on test results and believed to be accurate, and intended for use by customers at their own risks.

RESOLTECH SARL
Resolving your engineering challenges
www.resoltech.com

35 Impasse Emeri. Pole d'activites. 13510 Eguilles. France
export@resoltech.com Tel: +33 (0)442 950195 Fax: +33 (0)442 950198