

RESOLTECH 3300

Data sheet — 06/10/2011

Hardener 3305

High Chemical resistance epoxy structural adhesive for above and underwater applications

- **Applicable in high humidity conditions above & underwater**
- **High Chemical resistance**
- **100:50 mixing ratio by weight or volume**
- **Available in standard 310 ml cartridges**



RESOLTECH 3300 is a high chemical resistance structural epoxy adhesive that can be applied onto dry or damp surfaces but also underwater.

RESOLTECH 3300 is used to seal, bond or repair a large selection of materials, including fiberglass, aluminium, steel, concrete and ABS plastics.

It is available in 5+2,5 kg kits or in standard 310 ml cartridges. The white resin and black hardener make it easy to visually check the homogeneity of the mixture. It is possible to fill the 3300 with sand, chopped glass fibre..etc to use it as underwater repair mortar.

Its main characteristics are :

- Excellent chemical resistance.
- Adheres to damp substrates and cures above or underwater
- Excellent adhesion concrete, ceramic, brick, steel, GRP, cast iron and most ABS plastics.
- Polymerization with no contraction

Its main applications range are :

- Underwater repairs
- Crack repairs in concrete floors
- Pipes and water tanks repair
- Structural bonding
- Structural sealing
- Fuel tanks bonding and sealing
- Bolts anchoring

Resin 3300

Hardener 3305

Underwater curing epoxy adhesive

MIXING RATIO

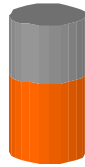
by weight or volume

Resin 3300

100

Hardener 3305

50



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 mechanically stirred during no less than 5 minutes to ensure full homogeneity.

Keeping the mixture in flat open containers reduces the risks of exothermic reaction.

PHYSICAL PROPERTIES @ 25°C

RESIN 3300

. Type	Epoxy resin with additives
. Aspect	Off white paste (Other colors available on demand)
. Brookfield viscosity	45.000 mPa.s
. Density	1,18

HARDENER 3305

. Nature	Aliphatic modified amines
. Aspect	Black paste (Other colors available on demand)
. Brookfield viscosity	60.000 mPa.s
. Density	1,16

RESIN / HARDER MIXED PROPERTIES

. Aspect	Grey paste (Other colors available on demand)
. Density	1,17

Resin 3300

Hardener 3305

Underwater curing epoxy adhesive

APPLICATION

The standard procedure of working with epoxy systems applies to the RESOLTECH 3300 / 3305.

- Mixing the resin and hardener should be done above 5 °C.
- It is recommended to proceed to a small test before industrial size application.
- It is recommended to deglaze, clean and degrease the support prior to application.
- The system, in order to polymerize underwater is very reactive. Do not leave mixed resin+hardener large amounts in the mixing container (exothermic reaction will create a dense foam) and release heat.
- In order to increase the pot-life of the product to be applied underwater, it is possible to submerge the mix in cold water once mixed.

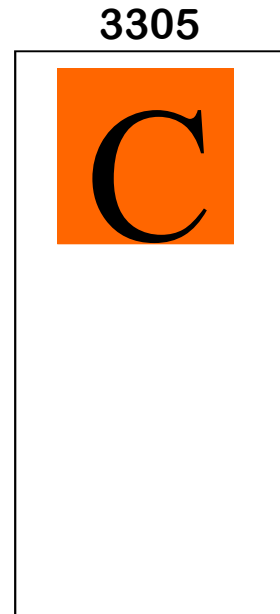
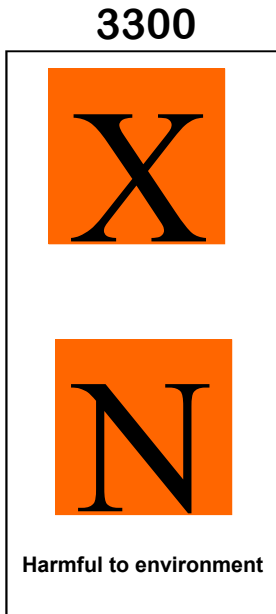
REACTIVITIES

REACTIVITIES	TIME
Pot life on 100 g @ 25°C	12 min.
Gel start @ 25°C on 5 cm thick film	10 min.
Gel start @ 25°C on 1mm thick film	1 h 15 min.
Gel start underwater on 100 g @ 10°C	5 h 30

Resin 3300

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LABELLING



PACKAGING

Kits :

- 1kg+0,5 kg pail
- 5 kg + 2,5 kg pail
- Cartridges: Two components (total product =250 ml) in standard caulking mono-body 310 ml cartridge.

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.

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.

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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