



TECHNICAL DATA SHEET

resoltech
ADVANCED COMPOSITE TECHNOLOGY

RESOLCOAT 3010T

EPOXY HIGH BUILD SURFACER

RESOLCOAT 3010T is a high build surfacer formulated to create a barrier against water and chemicals to protect a yacht hull as well as providing a perfect surface finish and interface for all marine topcoats.

The system is easy to apply by spray, roller or brush and is fast drying. A suitable finish is obtained after at least two coats of this system. Suitable for steel, aluminium, GRP and wooden yachts.

MIXING

MIXING RATIO	RESIN 3010T	HARDENER 3014T
BY VOLUME	4	1
BY WEIGHT	100	15

Hardener available: 3014T (replaces hardener 3015T).

Thinner: RESOLTECH 3018

The resin component should be stirred mechanically prior to mixing with hardener.

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.

SURFACE PREPARATION

RESOLCOAT 3010T should be applied onto a prepared surface (see TechNotes#10 for more application information).

The surface should be clean, dust-free and degreased. RESOLCOAT 3010T will provide superior adherence onto GRP, metals, RESOLCOAT 8020EX and any laminate.

Steel and aluminum surface should be prepared first and the coated with the RESOLCOAT 3010P primer. Defects deeper than 1,5 mm should be filled with 8020 EX filler prior to 3010T application

APPLICATION

Use above 10°C and minimum 3°C above dew point. Mix thoroughly the resin component before mixing with hardener. As for all solvent based products, wait for 30 min after mixing before application (maturing time).

SPRAYING: Pressure required: Airless: 150kg/cm². Use 0.46/0.69mm nozzles thinned with RESOLTECH 3018 thinner at 10 to 15%. If sprayed without using thinner with a classic gravity spray gun, use a nozzle of 2,6 mm with min 4-6 bar air pressure.

COVERAGE: 4m² per kg. on average for a 100 microns dry layer (recommended amount/layer) Several layers can be applied until a fair surface is obtained (usually 2 coats). No sanding is required between coats. Once cured, the filler can be sanded with an orbital sander.

"Pinholes" should be treated with a mixture of Resolcoat 3010T and HP510 glassbubbles. Do not use another filler as it may create "hard points". Avoid thick coats that may lead to solvent entrapment. Tools should be cleaned with acetone, thinner or any equivalent product.

CURING

Lower temperatures will increase curing time. In a cold environment it may be wise to install a temporary structure and use space heaters to increase temperature. High temperatures will speed up the cure.

RESOLCOAT 3010T should be used in a well ventilated area.

A good ventilation is the best way to ensure the solvent evaporates fast avoiding solvent entrapment

Temperature	10°C	23°C	35°C
Pot life		16 hours/1 Litre	
Touch dry	5H	2H 30MN	1H
Re-coatable & sand-able	16H	8H	5H
Full cure	14 Days	7 Days	3 Days

The resolcoat 3010T does not need to be re-sanded before being recoated or laminated upon with epoxy resin, offering an excellent alternative to produce "ready for painting" boats when demoulded.

Infusion specialists will appreciate this process since it is possible to infuse upon several days old 3010T without having delaminating problems, ensuring longer times for draping the reinforcement fabrics and cores.

If sprayed into a mould, it is recommended to use polyvinyl alcohol to ensure the solvent does not attack the demoulding agent.

PHYSICAL PROPERTIES

Resin aspect	Thick liquid, white
Hardener aspect	Yellow liquid
Mixture aspect	Thick liquid, off white
Density of mixture	1.4

PACKING, TRANSPORT & STORAGE

RESOLCOAT 3010T is available as follow:

1.15kg pack (1+0.15kg) & 4.36kg pack (4+0.6kg).

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

RESOLCOAT 3010T is best used with the Resoltech 3018 thinner.

HEALTH & SAFETY

Although RESOLCOAT 3010T is a recent formulation and does not contain older chemicals known to be harmful, it is advised to follow basic rules such as avoiding skin contact and 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.

Ventilation is required when applying in confined areas to avoid solvent concentration. Avoid breathing fumes as this system is solvent based.

Please read the Material Safety Data Sheet prior to using this product.

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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