



TECHNICAL DATA SHEET

resoltech
ADVANCED COMPOSITE TECHNOLOGY

RESOLCOAT 3010 EPOXY HIGH BUILD SURFACER

YACHT SURFACING TECHNOLOGY

RESOLCOAT 3010 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 3010	HARDENER 3015
BY VOLUME	4	1
BY WEIGHT	100	18

Hardener available: 3015.

The resin component should be stirred prior to mixing.

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

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

Steel and aluminium surface should be prepared first and the coated with the RESOLCOAT 3010P primer.

APPLICATION

Do not add thinners or solvents in the mixture.

All epoxy systems must be sanded prior to be recoated.

SPRAYING: Pressure required: 150kg/cm². Use 0.30/0.58mm nozzles.

COVERAGE: Varies upon thickness. 4m² to 7m² per kg on average.

Once cured, the filler can be sanded with an orbital sander.

Several layers can be applied until a fair surface is obtained. At least two coats are usually applied.

"Pinholes" should be treated with a mixture of Resolcoat 3010 and HP510 glassbubbles. Do not use another filler as it may create "hard points".

Tools should be cleaned with acetone, thinner or any equivalent product.

The Resolcoat range is compatible with all marine topcoat systems.

CURING

Application conditions should be 18 to 25°C, 70% humidity maximum. 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 3010 should be used in a well ventilated area.

Temperature	10°C	23°C	35°C
Pot life		8 hours/100g	
Touch dry	5H	2H 30MN	1H
Hard & sandable	16H	8H	5H
Full cure	14 Days	7 Days	3 Days

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 3010 is available as follow:

0.86kg pack (0.73+0.13kg) & 5kg pack (4.24+0.76kg).

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 3010 is used together with the 3010P primer and the 8020EX filler.

HEALTH & SAFETY

Although RESOLCOAT 3010 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.

More information is available on 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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