



TECHNICAL DATA SHEET

resoltech
ADVANCED COMPOSITE TECHNOLOGY

RESOLCOAT 3010P EPOXY PRIMER

YACHT SURFACING TECHNOLOGY

RESOLCOAT 3010P is a 2 part epoxy primer providing high adhesion to steel and aluminium hulls as well as other boatbuilding materials. RESOLCOAT 3010P also acts as an anti-corrosion barrier.

The system is easy to apply above and below the waterline by spray, roller or brush and is fast drying.

MIXING

MIXING RATIO	RESIN 3010P	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 3010P will provide superior adherence onto metals and all other boatbuilding materials.

• STEEL CONSTRUCTION

Steel hulls must be prepared with care to ensure a high strength bond. The surface should be sandblasted or alternatively grinded and degreased. A coat of Resolcoat 3010P primer should be applied immediately after.

• ALUMINIUM CONSTRUCTION

Aluminium requires a thorough surface preparation prior to coating. The main problem with aluminium alloys is that it corrodes extremely fast on the surface. It is therefore necessary to prepare the surface either by sandblasting or by using the ALU-HETCH surface treatment. Once this is done, the surface should be thoroughly cleaned and degreased. It is very important to coat the surface with the Resolcoat 3010P primer immediately.

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.

Avoid thick coats that may lead to solvent entrapment.
Tools should be cleaned with acetone, thinner or any equivalent product.
The Resolcoat range is compatible with all marine topcoat systems.

CURING

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

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 3010P should be used in a well ventilated area.

PHYSICAL PROPERTIES

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

PACKING, TRANSPORT & STORAGE

RESOLCOAT 3010P 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 3010P is used together with the 8020EX filler and the 3010 highbuild surfacer.

HEALTH & SAFETY

Although RESOLCOAT 3010P 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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