



No.5 PLUS Antifouling

Premium Copper-Based Antifouling



PRODUCT DATA SHEET

FEATURES

- Incorporates a powerful biocide package based on Altex proven binder system
- Ablative, multi-season technology provides a continuous supply of fresh biocides
- Complies with IMO requirements
- Excellent low activity performance
- Can be used for high speed crafts, however, ablation rate will increase at frequent and regular high speeds
- Performance of up to two seasons

Approvals:

- APVMA Registered
- Lloyds Register - Recognised TBT-Free Certificate No: LR2541482AF

Limitations of Use:

- NOT suitable for aluminium hulls and outdrives
- Some colour variation between batches and during storage may occur. If material from different batches is used, it is highly recommended to thoroughly "box" the various batches to achieve a consistent colour. Actual colour is developed over when the film begins to ablate during service.

RECOMMENDED USES

AY&B No.5 PLUS Antifouling is recommended:

- Where multi-season effective fouling protection is needed
- Where regulations ban or restrict the use of organotin compounds
- On yachts, tenders, dinghies, trailer yachts and power boats

AY&B No.5 PLUS Antifouling is:

- Compatible over most copper based antifoulings, where recommended preparation is achieved – Please refer to Altex Technical Department for further information
- Not suitable for use on aluminium craft, outboard motors, sail drives or stern legs
- Suitable and recommended for use on primed GRP, gelcoat, steel, timber and ferro-cement craft

Note: Because ablative antifoulings work by slowly wearing away to expose fresh biocides, the amount of product applied has a direct bearing on system life.

One coat - per recommended spreading rate (see below) is designed to provide up to 12 months protection in average conditions, with average frequency of use.

SPECIFICATION DATA

Generic Type:	Ablative matrix
Colours:	Black, Blue, Green, Grey, Mid Blue, Red
Availability:	Australia only
Packaging:	4 and 10 Litres
Finish:	Flat
Thinner:	Not normally required – see Thinning section in overleaf
Clean-Up:	Altex Thinning Solvent #12
Application:	Spray, roller or brush
VOC:	377 – 394 g/L
Storage:	Store under cool, dry conditions
Shelf Life:	24 months at 24°C

When kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.

Volume Solids:	52%
Dry Film Thickness:	75 – 100µm
Theoretical Coverage Rate:	
	6.9 sq. metres per litre at 75µm DFT
	5.2 sq. metres per litre at 100µm DFT
Usual No. of Coats:	2
Dry Times (75µm DFT / 25°C / 50% RH):	
Recoat:	Minimum: 6 hours
	Maximum: Not critical
To Launch:	Minimum: 12 hours
	Maximum: Not critical**

May be applied over AY&B Epoxy Primer up to 48 hours after application

** Extended non-immersed exposures may cause oxidation and/or discolouration with potential consequent loss of effectiveness in antifouling – Additional preparation may be required before relaunching.

IMPORTANT: Failure to adhere to recoat times and launch times will likely cause deformities in the film and impact the antifouling performance.

SURFACE PREPARATION

All surfaces must be sound and free of oil, grease, dirt, loose and flaking paint, moisture, and other foreign substances prior to application of No.5 PLUS Antifouling.

No.5 PLUS Antifouling is designed to be applied over both two component and single component Altex underwater systems. It is also compatible with a wide range of anti-corrosive and anti-fouling coatings, including most cuprous oxide containing, copolymer types.

Consult your AY&B Representative for specific recommendations regarding compatibility or repairs to existing coatings.

Primers:

Two Pack: No.5 PLUS is usually applied over **AY&B Epoxy Primer** or **AY&B Epoxy Barrier Undercoat**. Apply No.5 PLUS Antifouling when the Epoxy Barrier Undercoat is tack free but still soft to finger pressure. If the epoxy has cured too hard, apply another thin coat of epoxy before applying No.5 PLUS Antifouling – Refer to AY&B Epoxy Primer data sheet for recoating times with No.5 PLUS Antifouling

Single Pack: Use either **AY&B PrimaShield Antifouling Sealer**, (for sealing unknown antifouling / spot repairs) or **AY&B MultiPurpose Primer**.

Repainting: High pressure water clean (5,000 – 10,000 psi / 330 – 660 bar) to remove all marine growth, hydrolysed antifouling, salts, loose paint and any other foreign matter.

OR: Low pressure water clean (3,000 psi / 200 bar minimum) to remove all marine growth, hydrolysed antifouling, salts, loose paint, and any other foreign matter.

AND - Wet sand the surface with 80 grit sandpaper to ensure total removal of any remaining contaminants, including residual hydrolysed antifouling and slime. Rinse thoroughly.

The cleaned surface, once dry should be free of any powdered antifouling residues and should be inspected for defects in the film. Existing anti-fouling must be well adhered and intact, and not excessively overbuilt.

Repairs to the coating system should be completed before the application of any subsequent coat of antifouling. To ensure good adhesion, any exposed primers / undercoats should be thoroughly sanded (80 grit), de-dusted & spot coated with the appropriate primer before application of any antifouling.

Thorough wet sanding is recommended at the waterline, as the wet / dry cycle and UV exposure can cause premature failure if there are any remaining brittle or crazy cracked coatings.

DIRECTIONS FOR USE

Mixing:

This product contains a high level of cuprous oxide. As a result, there is a tendency for settling to occur. It is necessary to thoroughly power mix before using. Check the bottom and sides of the can to ensure all the pigment has been mixed in. Stir occasionally during use to re-distribute any settling that may occur during application.

Thinning:

For spray application, No.5 PLUS Antifouling does not normally require any thinning, except in hot windy conditions. If required use minimal amount of Altex Thinning Solvent #12.

For brush/roller application, additional judicious thinning may also be required.

Application:

No.5 PLUS Antifouling can be applied by spray, brush or roller. However, it is strongly recommended that heavy duty airless spray equipment be used to ensure the specified film thickness per coat is applied. Film thickness control is critical to the performance of the coating, as service life is a direct function of film thickness.

Suggested spray equipment is:

Air Spray:

Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 1.8mm – 2.2mm fluid tip and appropriate air cap.

Airless Spray:

Pump Ratio: 30:1 (min.)*

Material Hose: 3/8" I.D. (min.)

Tip Size: .017-.019"

Output PSI: 1700-2100

*PTFE packings are recommended and available from the pump manufacturer.

Roller: Use a short nap (5mm) solvent-proof roller. Additional coats will be required to attain the correct film thickness if the coating is applied by brush or roller.

Example: Typically two spray applied coats (at 75µm DFT each) requires at least three roller applied coats to achieve the same film thickness.

IMPORTANT: Film thickness control is critical. Service life is a direct function of film thickness

Clean-up:

Use Altex Thinning Solvent #12

PRECAUTIONS

For DIY & Professional Use: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use. Refer also to the Hazardous Substances & New Organisms (HSNO) information in the Altex Yacht & Boat "General Safety Information" leaflet.

No.5 PLUS Antifouling is flammable. Keep away from heat, sparks, and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

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Important Information

No antifouling paint can be effective under all conditions of exposure, and the performance of this antifouling product depends on many factors beyond the control of the manufacturer, including but not limited to, variables during application and curing, climatic and environmental conditions both global and local during exposure, and acts of nature. Some fouling species may become resistant to the approved biocides used in this product. We cannot and do not warrant that this product will be suitable for your particular purpose or application and no liability whatsoever is accepted by us. Any information provided by us is provided as a guide only, based on our field experience and raft trials. It is provided without warranty, express or implied. It is your sole responsibility to determine the suitability of the antifouling product for the use contemplated. Ensure you have the latest product datasheet and material safety data sheet from the manufacturer or supplier. Check the data sheet issue date with the listings at www.altexcoatings.com. Altex Terms and Conditions of Trade, available at www.altexcoatings.com, apply in respect of all coating products and materials supplied, including samples.

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