



No.5 Antifouling

Copper Based Ablative Anti-Fouling

Data Sheet

FEATURES

Contains No Organotin Compounds

- Contains high levels of cuprous oxide
- Self polishing/ablative mechanism inhibits the attachment of fouling organisms
- Available in four clean colours
- Organo-tin free
- Suitable for high speed craft - however, ablation rate will increase when subjected to sustained high speed
- Excellent static performance
- Excellent long term performance

Approvals:

NZ HSNO - Approval HSR000035
 IMO Tin-Free Certified
 Certificate No. – 20612/BO BV
 APVMA Approval: 58058

Limitations of Use:

Some colour variation between batches may occur, also colours may change during storage. If material from different batches is used, carry out thorough "boxing" to ensure a consistent colour is achieved. Full colour is developed over the first weeks of immersion.

Do NOT apply to aluminium alloy surfaces.

RECOMMENDED USES

No.5 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

No.5 Antifouling is:

- Compatible over other copper based anti-fouling, where recommended preparation is achieved
- **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 antifouling works 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 approx 12 months protection in average conditions.

Typically two coats are applied.

SPECIFICATION DATA

Generic Type:	Tin-Free Ablative Matrix
Colours-NZ/Aust:	Aurora Red, Seaport Blue, Classic Black and Sea Green
Aust. Only:	Oyster White, Navy Blue
Packaging:	1 and 4 litre 10 litre (Professionals only) Single component
Flash Point:	27°C Setaflash
Thinner:	Do Not Thin Clean up with Altex Thinner #12 (formerly E10 Thinner)
Storage:	12 months when stored under cool, dry conditions

Density:	1.84 kg per litre
Volume Solids:	50%
Theoretical Coverage Rate:	6.7 sq metres per litre at 75 microns dry
Recommended Film Thickness Per Coat:	150 microns wet to obtain 75 microns dry Two coats recommended
Application:	Spray, brush or roller
Dry Times (75 µm DFT / 25°C / 50% RH):	
To Recoat	- Minimum 4 hours - Maximum Not critical
To Launch	- Minimum 8 hours - Maximum Not critical

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 Antifouling.

No.5 Antifouling is designed to be applied over both two component and single component bottom systems. It is also compatible with a wide range of anti-corrosive and anti-fouling coatings.

No.5 Antifouling can also be applied over a wide range of existing 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 Component. No.5 is usually applied over AY&B No.1 Epoxy Primer, or No.3 Epoxy Primer U/C.

No.5 Antifouling must be applied over the epoxy bottom coatings before they have cured hard. Apply No.5 Antifouling when the epoxy 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 Antifouling.

Single Pack:

Use either AY&B PrimaShield Sealer, (for sealing unknown antifouling / spot repairs) or Multipurpose Primer U/C - for spot repairs only.

Existing anti-fouling must be secure and intact. Refer to Repainting below for surface preparation directions.

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

The cleaned surface, once dry should be free of any powdered antifouling residues and should be inspected for defects in the film.

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 (p80 grit), dedusted & 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 brittle or crazy cracked coatings remain.

DIRECTIONS FOR USE

Mixing:

No.5 Antifouling is a single component product that requires only thorough mixing before use.

Thinning:

For spray application, No.5 Antifouling does not normally require any thinning, except possibly in hot windy conditions. No.5 Antifouling is thinned using Altex Thinner #12 (formerly E10 Thinner). Additional thinning may be required for brush/roller application. Additional coats may be required to attain the correct film thickness.

Application:

No.5 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.

Clean-up: Use Altex Thinner #12

Suggested spray equipment is:

Air Spray: Graco - Delta Air Spray; 1.8 - 2.2mm Fluid Nozzle
DeVilbiss - JGA Gun, D Fluid Nozzle, 64 Air Nozzle

Airless Spray: Graco - 30:1 King Pump; 0.015" to 0.021" Tip

(Note: Other equipment equivalent to the above may be used.)

Roller: Use a short nap (3/16" / 5mm) solvent proof roller. Additional coats will be required to attain the correct film thickness if the coating is applied by brush or roller. *(Typically two spray applied coats (at 75 microns each) requires three roller applied coats to achieve the same film thickness)*

Important: Film thickness control is **critical**.

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.

No.5 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.

ALTEX COATINGS LIMITED

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