

FEATURES

Advantages:

- Ablative mechanism inhibits the attachment of fouling organisms
- Cost effective performance
- Controls common types of fouling for periods up to one seasons protection based on a two coat application, depending on sailing pattern and thickness applied
- Compatible with most suitably prepared copper based anti-fouling

Approval:

NZ HSNO Act - Approval HSR100847

RECOMMENDED USES

Coastal Copper® Antifouling is a cost effective ablative antifouling coating, designed for pleasure marine applications, where economy is required.

It is recommended for both launches and yachts and will typically provide up to one seasons protection from a two-coat system.

Coastal Copper® antifouling is an ablative coating – being harder than Altex No.5, and therefore is the ideal antifouling coating for vessels that tend to beach or experience higher wear than normal.

Vessels that are moored in highly tidal areas (that can ablate softer coatings too readily) are well suited to Coastal Copper.

For longer antifouling service, refer to Altex No.5 Ablative Antifouling.

Limitations of Use:

- Not suitable for aluminium vessels, stern drives or other aluminium items. Refer Vivid Antifouling.

SPECIFICATION DATA

Coating Type:	Ablative Matrix
Colour:	Red, Black and Blue
Packaging:	4 litre only Single component
Flash Point:	37°C Setaflash
Thinner:	Altex Thinning Solvent #12
Clean Up:	Altex Thinning Solvent #12
Shelf Life:	12 months when stored under cool, dry conditions

How much paint do I need?

Calculate / approximate the surface area in square metres of the hull below the waterline. Divide that number by 6. That will give you the number of litres, for a single coat, based on 80-90 microns thick. Double that number to get the total required for two coats. Apply ALL of that volume (even if it takes you several coats). You will then have maximum protection.

Density:	1.79 kg per litre
VOC:	414g per litre
Volume Solids:	52%

Theoretical Coverage Rate:

5.2 sq. metres per litre at 100 microns dry
6.9 sq. metres per litre at 75 microns dry

Recommended Film Thickness Per Coat:

192 microns wet to obtain 100 microns dry
145 microns wet to obtain 75 microns dry

(Typically two spray applied coats (at 75 microns each) equates to three roller applied coats to achieve the same film thickness)

Application: Spray, Brush or Roller

Recommended Dry Times(100µm DFT / 25°C / 50% RH):

Dry to Recoat :	Minimum 6 hours
	Maximum – not critical
To Launch:	Minimum 8 hours

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 Coastal Copper® Antifouling.

Coastal Copper® Antifouling is designed to be applied over both two component and single component Altex bottom systems. It is also compatible with a wide range of anti-corrosive and antifouling 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. Coastal Copper® is usually applied over:

Altex Epoxy Primer or Altex Epoxy Barrier Undercoat.

Coastal Copper® Antifouling must be applied over the epoxy bottom coatings before they have cured hard. Apply Coastal Copper® 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 Coastal Copper® Antifouling.

Single Pack: Use either:

Altex PrimaShield Antifouling Sealer, (for sealing unknown antifouling / spot repairs) or 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 secure 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 (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:

Coastal Copper® Antifouling is a single component product that requires only thorough mixing before use.

Thinning:

For spray application, Coastal Copper® Antifouling does not normally require any thinning, except possibly in hot windy conditions.

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

Thin, for Brush / Roller or Spray application with Altex Thinning Solvent #12.

Clean-up: Use Altex Thinning Solvent #12

Application:

Coastal Copper® Antifouling can be applied by spray, brush or roller. Although heavy duty airless spray equipment is an ideal method of application, good results will be obtained via Brush / Roller application. To ensure the correct thickness is applied via roller application, be mindful of the recommended spreading rate.

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**. Service life is a direct function of film thickness

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.

Coastal Copper® 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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DISCLAIMER

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. 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
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