



Sea~Barrier 1000

Economical Ablative Antifouling

Data Sheet

FEATURES

Advantages:

- TBT-free (Tri-Butyl Tin-free) antifouling
- Self polishing/ablative mechanism inhibits the attachment of fouling organisms
- Cost effective performance for commercial applications
- Controls common types of fouling for periods up to 12 months, depending on sailing pattern and applied system
- Compatible with most suitably prepared copper based anti-foulings
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Approvals

NZ HSNO Act - Approval HSR100847 AF1000.

APVMA Approval Number: 64129.

Meets IMO 2003 Tin-Free Regulations; MEPC.102(48) – Independently tested and certified by PRA reference; 07/269/NP-C .

Bureau Veritas IMO Type Test Approval Certificate No. 20612/BO BV.

Lloyds Register – Recognised TBT Free Certificate No. MNDE/2012/4952 (for New Zealand manufacture).

Lloyds Register – Recognised TBT Free Certificate No. MNDE/2012/4956 (for Australia manufacture).

Limitations of Use:

- **Not suitable for aluminium vessels or stern drives.**

RECOMMENDED USES

Sea~Barrier® 1000 is a cost effective ablative antifouling coating, designed for commercial applications

It is recommended for use where:

Regulations ban the use of organo-tin based products.

Sea~Barrier® 1000 is the ideal antifoul coating for:

- In-shore commercial vessels and barges subject to light to medium duty
- Marine farm equipment
- Use on bottom flats and as a boottop in conjunction with Sea~Barrier® 3000 on critical areas

Note:

For 12 – 24 months service refer to Sea~Barrier® 3000 ablative anti-fouling.

SPECIFICATION DATA

Coating Type: Tin Free Ablative Matrix
Colour: NZ & Aust: Red, Black, Blue.
Packaging: NZ & Aust - 10 litre
Flash Point: 37°C Setaflash
Mix Ratio: N/A - single component
Pot Life: N/A
Thinner: Do NOT thin unless absolutely necessary
Clean-Up: Altex Thinner #12
Shelf Life: 12 months minimum
Storage: Store under cool dry conditions

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
Recommended Film Thickness Per Coat:
192 microns wet to obtain 100 microns dry
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
Maximum: Indefinite

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 Sea-Barrier® 1000 Anti-Fouling.

Sea-Barrier® 1000 Anti-Fouling is designed to be applied over Altex Coatings epoxy bottom systems. It is also compatible with a wide range of anti-corrosive and anti-fouling coatings.

Sea-Barrier® 1000 Anti-Fouling must be applied over the epoxy bottom coatings before they have cured hard. Apply Sea-Barrier® 1000 Anti-Fouling 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 Sea-Barrier® 1000 Anti-Fouling.

SeaBarrier® 1000 may be applied over single pack primers such as Multi-bond Primer, and Chem-Bar™ 3500.

Refer to relevant product data sheet for further information.

Sea-Barrier 1000® Anti-Fouling can also be applied over a wide range of existing anti-fouling coatings, including most cuprous oxide containing, copolymer types. Existing anti-fouling must be secure and intact, and must be water blasted clean before applying Sea-Barrier® 1000 Anti-Fouling.

Consult your Altex Coatings Representative for specific recommendations regarding compatibility with existing anti-fouling systems. 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, hydrolised antifouling, salts, loose paint and any other foreign matter.

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.

DIRECTIONS FOR USE

Mixing:

Before use Sea-Barrier® 1000 Anti-Fouling must be thoroughly stirred, preferably with an air-powered mixer, to ensure a homogenous condition without any settlement remaining on the bottom of the container.

Thinning:

Sea-Barrier® 1000 anti-fouling does not normally require any thinning, except possibly in hot windy conditions. Sea-Barrier® 1000 Anti-Fouling is thinned using Altex Thinner #12, additional coats may be required to attain the correct film thickness.

Application:

Sea-Barrier® 1000 Anti-Fouling can be applied by either conventional spray or airless spray equipment.

Suggested spray equipment:

Conventional Air Spray

1.4mm to 2.2mm Fluid tip with appropriate air cap.

Airless Spray

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.015 – 0.021

(Note: The above is a guide. Other equipment to the above may be used.)

Important:

Whilst Sea-Barrier® 1000 Antifouling can be applied by spray, brush or roller, 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. Additional coats may be required to attain the correct film thickness if the coating is applied by brush or roller.

Clean-up:

Use Altex Thinner #12.

PRECAUTIONS

For industrial use only: 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.

Sea-Barrier® 1000 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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