

## FEATURES

### Advantages:

- Compatible under Sea~Barrier 1000 and 3000
- Ideal for high turbulence areas and boot-toppings
- Tough binder resists excessive net damage on deep sea purse-seiner vessels
- Semi-ablative mechanism inhibits the attachment of fouling organisms
- Very good static exposure performance
- Controls common types of fouling for periods up to 36 months, depending on sailing pattern and applied system
- Contains no tin compounds

### Limitations of Use:

- Not suitable for aluminium vessels unless used as part of a full Altex Coatings ZECA system

### Approvals

New Zealand HSNO – Reg. No.HSR000040

Meets IMO 2003 Tin-Free Regulations; MEPC.102(48) - Independently certified by PRA reference 07/269/NP-G . IMO Type Test pending

Bureau Veritas IMO Type Test Approval Certificate No. 20529/AO BV

## RECOMMENDED USES

Sea~Barrier 4000 is a high performance, semi-hard, semi-ablative antifouling coating

Sea~Barrier 4000 is recommended for use where:

- Ablative anti-fouling are subject to excessive physical wear

Sea~Barrier 4000 is the ideal anti-fouling coating for:

- Work vessels subject to waterline net or rope abrasion
- Vessels trading in deep sea or coastal waters
- Fishing fleets
- Tugs and barges
- Container ships
- Passenger ferries
- High turbulence areas
- Maintenance Docking
- New builds

## SPECIFICATION DATA

**Coating Type:** Semi-Ablative Proprietary Matrix EvoCore~1



**Colour:** Black, Red and Blue

**Packaging:** 10 litre pail  
Single component

**Flash Point:** 44°C Setaflash

**Thinner:** Do not thin  
Use X-100 for clean-up

**Shelf Life:** More than 12 months when stored under cool dry conditions

**Density:** 1.9 kg per litre

**VOC:** 457g per litre

**Volume Solids:** 46%

**Theoretical Coverage Rate:**

9.2 sq metres per litre at 50 microns dry

**Recommended Film Thickness Per Coat:**

109 microns wet to obtain 50 microns dry  
Two to three coats recommended

163 microns wet to obtain 75 microns dry  
Single coat for 12 months service

**Application:** Spray, brush or roller

**Dry Times (75 µm DFT / 25°C / 50% RH):**

To Recoat Minimum - 4 hours, overnight at 10°C or less  
Maximum - Not critical

To Launch Minimum - 8 hours, overnight for films in excess of 150 microns dry thickness  
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 Sea-Barrier 4000 Anti-Fouling.

Sea-Barrier 4000 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 4000 must be applied over the epoxy bottom coatings before they have cured hard. Apply Sea-Barrier 4000 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 4000.

Sea-Barrier 4000 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 4000.

Where the existing anti-fouling is known to be a soft ablatative type it is recommended that care be taken to remove all the friable surface layer and ensure that the preparation works well into remaining sound intact coating.

Consult your Altex Coatings Representative for specific recommendations regarding compatibility with existing anti-fouling systems.

## DIRECTIONS FOR USE

### **Mixing:**

Before use Sea-Barrier 4000 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 4000 does not require any thinning, except possibly in hot windy conditions Sea-Barrier 4000 is thinned using Altex X-100 Thinner, additional coats may be required to attain the correct film thickness.

### **Application:**

Sea-Barrier 4000 can be applied by either conventional spray or airless spray equipment

Suggested spray equipment is:

Air Spray: *Graco Delta* – 2.8mm (0.110") setup  
*DeVilbiss* – JGA Gun, D fluid nozzle, 64 Air Nozzle

Airless Spray: *Graco* - 35:1 pump, Silver Gun

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

### **Important:**

Whilst Sea-Barrier 4000 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 X-100 Thinner

## PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

**Sea-Barrier 4000** 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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