



Sea~Zone® 60

Self Polishing Antifouling

Patented Silyl Acrylate Technology

FEATURES

Advantages:

- Developed & tested over several seasons & proven in a range of marine environments
- Latest generation controlled hydrolysis Silyl Acrylate Polymer technology
- Micro fine cuprous oxide technology
- Self polishing hydrolysis action retains hull smoothness, reducing drag
- Highly predictable and stable self-polishing characteristics that provide consistent and optimum release rates of the biocides over the life of the coating.
- Improved adhesion to primers, build coats and existing antifoulings being repainted
- Compatible when applied over Altex No.5. May be applied over other coatings – please consult the AY&B Technical Helpline.
- Excellent crack resistance
- Controls most common types of fouling for multi-season protection, depending on sailing pattern and applied system
- Contains only NZ-EPA green rated biocides
- Improved performance at lower builds

Approvals:

- IMO Tin Free Type Approval Certificate No. 20529/CO Bureau Veritas
- Lloyds Register – Recognised TBT Free Cert No. MNDE/2019/9019.
- HSNO Approval Number HSR101262 Altex Ablative Antifouling Coating SZ RTU

RECOMMENDED USES

Sea~Zone 60 Antifouling is a new generation Silyl Acrylate formulation that protects hulls from marine growth through a self polishing hydrolysis action. The silyl acrylate, cuprous oxide and co-biocide combination provides outstanding protection that has exceeded side by side raft trials against traditional ablative cuprous oxide based formulations. Extensive testing has proven Sea~Zone 60 to be at the leading edge of antifouling technology.

Sea~Zone 60 is the ideal anti-fouling coating for Pleasure craft of virtually any description, for use in a range of waters:

- Vessels travelling at high speeds as well as cruising yachts
- High tidal flow mooring locations
- Both Maintenance repainting and new work
- Suitable for tropical waters through to the cooler waters of the South Pacific

Note: Because self polishing antifoulings work by slowly releasing fresh biocides, the amount of product applied has a direct bearing on system life and performance.

One coat - per recommended spreading rate (see below) is designed to provide approximately 12 months protection in average conditions.

Typically, two spray applied coats (at 75µm DFT each), or three roller applied coats (at 50µm DFT each) are required for two seasons protection.

Limitations of Use:

- NOT suitable for aluminium hulls and outdrives

SPECIFICATION DATA

Coating Type:	Patented Silyl Acrylate polymer
Availability:	New Zealand only
Colour:	Viking Red, Blackstone, Fiord Blue <i>Note: Colours will change once immersed for 3-4 weeks – typically a lightening in tone.</i>
Packaging:	4 litre can only (single component)
Flash Point:	27°C Setaflash
Thinner:	Thinning Solvent #10 (Do NOT thin unless absolutely necessary)
Clean Up:	Thinning Solvent #10
Storage:	Store under cool dry conditions
Shelf Life:	12 months when correctly stored

Density:	1.75 kg/litre
VOC:	381 g/litre
Volume Solids:	55% ± 2%
Theoretical Coverage Rate:	7.3 sq metres per litre at 75 microns dry
Recommended Film Thickness Per Coat:	137 microns wet to obtain 75 microns dry Two to three coats recommended
Application:	Spray, brush or roller
Dry Times (75 µm DFT / 25°C / 50% RH):	
To Recoat	Minimum - 9 hours, overnight is recommended Maximum - Not critical
To Launch	Minimum - 12 hours, overnight is recommended

(when multiple coats are applied to reinstate a full coating system, we recommend delaying re-launch for 24-48 hours to avoid strop damage)

Maximum time to launch – not critical.

SURFACE PREPARATION

All surfaces must be sound and free of all salts, oil, grease, dirt, loose and flaking paint, moisture and other foreign substances prior to application of Sea-Zone 60 Antifouling.

Sea-Zone 60 Antifouling may be applied over:

- Altex Epoxy Primer
- Altex Epoxy Barrier Undercoat
- Altex MultiPurpose Primer
- Altex PrimaShield Antifouling Sealer

Sea-Zone 60 Antifouling may also be applied over:

- Altex No.5 Antifouling

Refer to relevant product data sheet for further information.

May also be used with some alternative anti-corrosive and anti-fouling coatings. Consult your Altex Yacht & Boat Representative for specific recommendations regarding compatibility with existing anti-fouling systems. Refer to the AY&B Antifouling System brochure for further details relating to surface preparation & recoating.

Sea-Zone 60 Antifouling must be applied over the epoxy bottom coatings before they have cured hard. Apply Sea-Zone 60 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 Sea-Zone 60 Antifouling.

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:

Sea-Zone 60 generally does not require any thinning, except possibly in hot windy conditions. When required, thin using Altex Thinning Solvent #10. Additional coats may be required to attain the correct film thickness.

Clean-up:

Altex Thinning Solvent #10.

Important:

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

Application:

Sea-Zone® 60 can be applied by either conventional spray or airless spray equipment along with brush / roller application

Suggested spray equipment (guide only):

Conventional Air Spray Guide:

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

Airless Spray Guide:

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.019 – 0.023

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)

PRECAUTIONS

Sea-Zone® 60 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.

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.

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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.

DISCLAIMER