

TECHNICAL INFORMATION

BECCSEA 18 ANTIFOULING

521-83018-307



DESCRIPTION

BECCSEA 18 ANTIFOULING is tin-free, high solids content, formulated with a specialized mixture of polymers and biocides that prevents the growth of mild and severe fouling organisms, thus preventing hull decay and poor performance of the vessel. Ablative product thanks to an exact balance of hydrophobic and hydrophilic resins. This product offers a high solids content, which allows to maximize its yield and reduce labor costs. It can be used in environments with strict environmental standards. This product complies with the standards of International Convention on the Control of Harmful Anti-fouling (AFS/CONF/26).

USE

BECCSEA 12 ANTIFOULING is recommended for hulls of boats sailing at moderate speeds in waters where most scale are generated. It must be applied on a suitable primer or over an old layer of compatible antifouling.

STRUCTURE	Vessels
Indoor/Outdoor	OUTDOOR
SURFACE	Carbon Steel (Iron), Fiberglass
Line	Industrial/Professional Line

PROPERTIES

SPECIAL PROPERTIES

Appearance	Satin
Single part	
Self-abrasive	
Tin Free	
High solids	

PHYSICAL PROPERTIES

DATA

Volume Solids (%)	63 - 67
Weight Solids (%)	78 - 82
Weight per gallon (kg/gal)	6,10 - 6,40

These technical data were calculated under controlled laboratory conditions, but SUR QUÍMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUÍMICA has made reasonable efforts to ensure the accuracy of the information provided herein, but assumes no liability for any errors, omissions or inaccuracies thereof. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

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Theoretical yield (m ² /gallon)	105.1 m ² @ 1 mil dry film thickness
VOC (grams/liter)	366
Shelf life	12 Months
Flash point:	35.30 C°
Recommended Dry Thickness	6 mils (for 1 year of service)

Definition of theoretical yield: Maximum surface that can be coated with a paint in ideal conditions. Practical yield varies depending on type of surface, tool used, applicator experience, and other factors. 1 mil = one-thousandth of an inch (0.0254 mm).

CONTAINERS

AVAILABLE CONTAINERS

1 gallon can (3.785 Lt.)

AVAILABLE COLORS

Red	307
Blue	500
Black	700

SURFACE PREPARATION

CONDITION

INSTRUCTION

SURFACE PREPARATION: The surface to be painted must be free of rust, grease, dust or any other contaminant that may affect its performance.

Previously painted surfaces: BECCSEA 18 ANTIFOULING is suitable for this type of substrate, so it is recommended to contact the Technical Service Department personnel for a proper surface preparation.

Carbon Steel (Iron) BECC MARINE EPOXY SELF PRIMING (521-83200-751).

Fiberglass: BECC MARINE EPOXY TIE COAT (521-83261-720).

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

Product: 521-83018-307 BECCSEA 18 100 Parts Stir product thoroughly before use.

ANTIFOULING

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Diluent 510-83901-900 BECC SEA Max 25%.
REDUCER SPECIAL

PRODUCT APPLICATION

APPLICATION TOOLS

BRUSH	Airless equipment	Conventional spray gun (gravity or suction)	Roller or
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Tools

Brush only for touch-ups.

Roller application

To apply this product with roller, take into account that there may be defects in the finish. It should be clear that it is not attributable to the product, but rather to the tool and technique used	Microfiber or splatter free roller felt Smooth surface: 3/8" or 1/2" felt.
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Application with airless equipment

Nozzle size	0.38 - 0.53 mm
Fan Angle	60° - 80°
Line pressure	120 - 150 BAR

Surface temperature must be at least 3°C above dew point.

Application conditions

Surface temperature:	5°C to 35°C
Room temperature	4°C to 40°C
Relative Humidity:	10 % - 85 %

Surface temperature must be at least 3°C above dew point.

Number of layers and thickness

Wet thickness per coat	6 mils
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Recommended Dry Thickness	6 mils
Number of coats	2
Drying time	
Touch-Dry	30 min
Drying time to repaint	4 h - Unlimited
Time to float	8 h (minimum)
Total drying time	6 h

These mentioned drying times are under optimal conditions (between 22 - 28 °C temperature and 60 - 80% relative humidity). These times depend on temperature, humidity, paint film thickness and dilution.

Application instructions

Apply this antifouling in the recommended thicknesses for an adequate product performance (See section on recommended thicknesses), and follow application conditions according to the equipment to be used. If time between last layer of primer and the first layer of anti-fouling is other than indicated (see drying times), that primer coat should be sanded and a thin layer (1 - 1.5 mils) of that primer applied to re-activate the system and generate an adequate adhesion between layers.

NOTICE:

- ✓ If you need other information, visit our website at <https://www.gruposur.com/asistencia/>
- ✓ Store this product in its original container between 20°C and 30°C, in a dry, ventilated place, out of the reach of children.
- ✓ This product should be stored in a cool, dry place away from direct exposure to sunlight). Check that, before each of this product, the containers is in a perfect condition and the product temperature of the product ranges from 5 to 35°C.
Verify that the surface preparation (removal of grease, rust, etc.) prior to application is adequate, as it may generate problems with adherence of the application system. In case of application on surfaces previously painted with anti-fouling, contact our Technical Service staff for adequate preparation.
For epoxy primer and tie-coat, the time between primer and antifouling layers must be respected (no more than 2.5 h) since, in case of omitting this step, the application and performance of this product will not be adequate.
If time between last layer of primer and the first layer of anti-fouling is other than indicated (see drying times), that primer coat should be sanded and a thin layer (1 - 1.5 mils) of that primer applied

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to re-activate the system and generate an adequate adhesion between layers. Ensure antifouling is suitable for the type of vessel, as well as its sailing speed. For a proper performance of this antifouling, its mixing instructions should be strictly followed, or sedimentation can occur.

Respect this product's dilution ratio, to get a proper performance.

Apply within the parameters of specified environmental conditions (Room Temperature, Surface Temperature and Relative Humidity).

Follow application conditions for the application equipment to be used. Respect the minimum time to float the boat, otherwise the paint performance will be affected.

HEALTH

- ✓ This is a professional/industrial product, and it should be applied by properly trained personnel, wearing appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
- ✓ If you need to dispose of empty packages of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.

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