

### DESCRIPTION

BECC MARINE POLYSILOXANE is an acrylic polysiloxane coating, with a glossy finish, which has excellent color and gloss retention for long periods. It's a two-part coating that cures by chemical reaction, providing excellent resistance to UV rays, scratching, and polishing, so it's highly recommended for seriously aggressive environments, such as the seas.

### USO

BECC MARINE POLYSILOXANE has been designed as a finish for vessels above waterline. It can be used below the waterline, after the appropriate primer and followed by our 83014 MEDUSA 14 ANTIFOULING transparent finish as a topcoat.

<b>Structure</b>	Vessels
<b>Indoor/Outdoor</b>	Outdoor
<b>Surface</b>	Carbon steel (Black iron), Aluminum, Fiberglass
<b>Line</b>	Industrial/Professional Line

### PROPERTIES

#### SPECIAL PROPERTIES

- High UV resistance
- Requires a primer
- High performance
- High gloss
- Excellent performance in zones C5-I and C5-M according to ISO 12944

#### PHYSICAL PROPERTIES

#### DATA

Volume Solids (%)	60 - 62
Pot life (@ 20 °C).	1 h
Weight solids (%)	70 - 72
Weight per gallon (kg/gal)	5.2
Stormer Krebs Viscosity (Ku)	90 - 105

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA 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 QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

# TECHNICAL INFORMATION

## BECC MARINE POLYSILOXANE

521-83300-000



Theoretical yield (m <sup>2</sup> /gallon)	91.5 m <sup>2</sup> @ 1 mil
Maximum Performance Temperature (°C)	120°C
Shelf life	Component A: 24 months Component B: 6 months
Recommended dry film thickness	2 – 3 mils
VOC (Volatile Organic Compounds) (gr/liter)	373

Definition of theoretical yield: Maximum surface that can be covered with a painting under ideal conditions. Practical yield varies depending on type of surface, used tool, applicator experience and other factors. 1 mil = 0.0254mm.

This data was measured from white paint,

### CONTAINERS and COLORS

#### AVAILABLE CONTAINERS

Component A: 521-83300-000, 1 gallon can (3.785 Lt.)

Component B: 521-83301-999, ¼ gallon can (0.946 Lt.)

#### AVAILABLE COLORS

RAL Chart Colors

Transparent 920

### SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface Preparation	Surface should be free of rust, grease, dust, or any other contaminant that can affect the coating adherence or performance.
<b>NACE Standard</b>	Use NACE, SSPC (Steel Structure Painting Council) standards, or our own "Manual de Patrones Gráficos BECC para la preparación de superficies de acero" (BECC Graphic patterns for Steel surface preparation).
<b>Primer:</b>	Apply over the proper primer for each surface. For instance: Over steel: Becc Marine Epoxy Self Priming 521-83200-751 Over Aluminum: Becc Marine Epoxy Tie Coat 521-83261-720 Over Fiberglass: Becc Marine Epoxy Tie Coat 521-83261-720

### PRODUCT PREPARATION

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## BECC MARINE POLYSILOXANE



521-83300-000

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-83300-000, BECC MARINE POLYSILOXANE	<b>4 Parts</b>	Stir well before use
Component B: 521-83301-999, BECC MARINE POLYSILOXANE COMPONENT B	<b>1 Part</b>	Mix Components A and B as indicated and wait for the induction time
Diluent: 521-83902-900, BECC MARINE POLYSILOXANE REDUCER	<b>Max. 25%</b>	Finally add diluent.

INDUCTION TIME: Not required.

### PRODUCT APPLICATION

#### APPLICATION TOOL

Brush                      Airless equipment                      Air spray (gravity or suction feed)

#### Airless Application

Nozzle Size	0.33 - 0.38 mm
Fan Angle	30° - 60°
Dry film Thickness	1.5 mils
Wet Film Thickness	2.50 mil
Line Pressure	120 - 150 BAR

These are reference values. It may be necessary to vary output pressure or nozzle size to get better results.

#### Application conditions

Relative Humidity	10% - 85%
Surface temperature should be at least 3°C (5°F) over dew point.	
Room Temperature	10°C - 40°C
Surface temperature	5°C - 40°C

#### DRYING TIMES

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Touch-Dry	45 min
Time to recoat	6 - 24 hrs
Full drying time	7 d

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% ambient humidity). These times are dependent on temperature, moisture, film thickness and dilution.

### NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Product should be kept in its original container, out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat, between 20 and 30°C to avoid loss of its properties.

### HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose

This 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>

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