

BECC MARINE EPOXY SELF PRIMING

521-83200-751

DESCRIPTION

BECC MARINE EPOXY SELF PRIMING is a two-part, high performance, high solids, modified epoxy coating for marine environments tolerant to surface preparation. Provides excellent chemical and abrasion resistance for marine vessels and steel structures, above and below waterline.

USE

BECC MARINE EPOXY SELF PRIMING is recommended as an anticorrosive primer on steel-made boats (both on hulls and upperworks). It can be applied directly to surfaces with strongly adhered rust and, as a primer, it can be coated with any antifouling from our BECC MARINE line.

Estructure	Vessels
Indoor/Outdoor	Protected Outdoor
Surface	Steel
Liine	Industrial/Professional Line

PROPERTIES

SPECIAL PROPERTIES

Appearance	Satin
Great adhesión	
High chemical resistance	
Primer	Finish
Antirust	Yes
High performance	
Excellent performance in zones C5-I and C5-M according to ISO 12944	

PHYSICAL PROPERTIES

DATA

Weight solids(%)	86 - 88
Gloss @ 60° (ASTM D 523)	30-35 GU
Weight per gallon (kg/gal)	5.7 – 6.5
Theoretical Yield (m ² /gallon)	118 m ² @ 1 mil

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.

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Max temperature performance (°C)	120
Shelf life	Component A: 24 months Component B: 24 months
Salt Spray - ASTM B 117	3,000 h
Volume Solids (ASTM D 2697) (%)	76 – 78
Brookfield Viscosity (cPs)	6000 - 15000
Recommended dry thickness	4 - 20 mils
SSPC-22 Standard	Meets
VOC (volatile organic compounds) (g/l)	200
Taber Abrasion Test (ASTM D 4060-95) 1 Kg, (1000 CS-10 cycles)	67 - 77 mg

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 = 0.0254 mm.

This data was measured from white paint

CONTAINERS AND COLORS

AVAILABLE CONTAINERS

Component A: 521-83200-751, 1 gallon can (3.785 Lt.)

Componente B: 521-83201-999, ¼ gallon can (0.946 Lt.)

AVAILABLE COLORS

Light Grey 751

For special colors, ask your sales rep.

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.
NACE Standard	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).

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TECHNICAL INFORMATION



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Metal cleaning:	On new steel or iron surfaces, it is recommended to clean previously with SUR 330-900 Degreaser.
Minimum cleaning	Using hand or power tools, clean the surface to a SSPC-SP2 or SP3 cleaning standard, as indicated by the Steel Structures Painting Council.
Recommended preparation	Optimal preparation is obtained cleaning with abrasive blast to a minimum degree of Commercial SSPC -SP6.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-83200-751, BECC MARINE EPOXY SELF PRIMING	4 Parts	Stir well both components before mixing
Component B: 521-83201-999, BECC MARINE SELF PRIMING COMPONENT B	1 Part	Mix Components A and B as indicated, wait for the induction time and finally, add diluent:
Diluyente: 521-83900-900, BECC MARINE EPOXY REDUCER	Max 25%	

INDUCTION TIME: 20 min. Dilute after this time

PRODUCT APPLICATION

APPLICATION TOOL

Brush Airless Air spray (gravity or suction feed) Roller

Airless Application

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Nozzle Size	0.43 mm (0.017") – 0.48 mm (0.019")
Fan Angle	60°
Dry film Thickness	10 mils
Wet Film Thickness	14 mils
Line Pressure	130 - 150 BAR

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

Application conditions

Surface Temperature	5°C - 40°C
Room Temperature	10°C - 40°C
Relative Humidity	10% - 85%

DRYING TIMES

Touch-Dry	3 - 4 h
Time to recoat	6 h – to unlimited time, if recoated with 83200 Máx 2.5 h if recoated with antifouling
Full drying time	7 days

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 this product is exposed to high moisture or condensation shortly after being applied, this could cause a matte finish or changes in its original coloration.
- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Check for a proper surface preparation, (removal of grease, rust, etc.) prior to application, as it can cause adhesion problems for the coating system.
Being an epoxy primer, be sure the time between coats of primer and antifouling is no more than 2.5h) since, if this step is omitted, the application and performance of this product will be affected.
Apply within the specified environmental conditions (room temperature, surface temperature and ambient humidity).
- ✓ Container must be kept out of reach of children, tightly closed, away from sunlight or intense heat, between 20 and 30°C to avoid loss of its properties.
- ✓ Follow the proper application instructions for the application tool selected.

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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 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>

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