

TECHNICAL INFORMATION

BECC MARINE EPOXY TIE COAT

521-83261-720



DESCRIPTION

BECC MARINE EPOXY TIE COAT is a two-part epoxy-polyamide coating. It can be used as a primer on surfaces that do not require corrosion protection or as an intermediate layer in systems that require an increase in thickness. It has excellent adhesion, high chemical and constant immersion resistance.

USE

BECC MARINE EPOXY TIE COAT its formulated to be used as an intermediate layer in epoxy paint systems, or as a primer for boat surfaces that do not require corrosion protection, such as fiberglass. It is recommended for moderate or severe marine environments.

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

PROPERTIES

SPECIAL PROPERTIES

Appearance:	Matt
<u>High adhesion</u>	

PHYSICAL PROPERTIES	DATA
Volume Solids (%)	54 - 56
Pot life @ 20°C:	8 h
Weight Solids (%)	74 - 76
Weight per gallon (kg/gal)	5.7 - 60
Stormer Krebs Viscosity (Ku)	90 - 100
Theoretical yield (m ² /gallon)	82.5 m ² at 1 mil
Max Performance Temperature (°C)	120
Shelf life	Components A and B: 24 months
Recommended Dry Thickness	1 - 5 mils
VOC (grams/liter)	398

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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Salt spray

2.700 h

Definition of theoretical yield: Maximum surface that can be covered 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).

(*) Data referring to Component A

CONTAINERS

AVAILABLE CONTAINERS

Component A: 521-83261-720, 1 gallon (3.785 Lt.) metal can.

Component B: 521-83262-999, ¼ gallon (0.946 Lt.) metal can.

AVAILABLE COLORS

Grey 720

SURFACE PREPARATION

CONDITION

INSTRUCTION

Carbon steel:

Use 83200, BECC MARINE EPOXY SELF PRIMING as a primer

Fiberglass:

Sand the surface to create an adequate anchor pattern that allows for a good adhesion, and apply 83261, BECC MARINE EPOXY TIE COAT as a primer.

SURFACE PREPARATION:

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

Metal cleaning:

On new steel or iron surfaces it is recommended to clean previously with our Desengrasante SUR 330-900.

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

COMPONENT A: 521-83261-720, BECC 4 Parts
MARINE EPOXY TIE COAT

Stir product thoroughly before use.

COMPONENT B: 521-83262-999 BECC 1 Part
MARINE EPOXY TIE COAT COMPONENT B

Mix Components A and B as directed, wait for induction time and apply:

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Diluent 521-83900-900 BECC MARINE Max 25%
EPOXY REDUCER

INDUCTION TIME: 20 min

PRODUCT APPLICATION

APPLICATION TOOLS

BRUSH Airless equipment Conventional gun Roller
(gravity or suction)

Application with airless equipment

Nozzle size	0,30 - 0,45 mm
Fan Angle	60°
DRY THICKNESS PER LAYER (MILS)	2 - 3 mils
Wet thickness per coat	3.6 mil
Line pressure	120 - 150 BAR

The indicated data serve as a guide. It may be necessary to vary the outlet pressure and nozzle of the equipment to improve product application conditions.

Application conditions

Relative Humidity:	10% - 85% (*) This product can be applied in humid conditions up to 95%, as long as there is monitoring and approval by our Technical Service at SUR Química S.A.
Room temperature	10°C - 40°C
Surface temperature:	5°C - 40°C

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

Number of layers and thickness

Apply the following coats of the intended paint system within the recommended repainting times.

Drying time

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Touch-Dry	3 h
Drying time to repaint	8 – 24 h
Total cure in days	7 d

These 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.

NOTICE:

- ✓ If you need other information, visit our website at <https://www.gruposur.com/asistencia/>
- ✓ Check for an adequate surface preparation (removal of grease, rust, etc.) prior to application, otherwise it may cause problems with the adhesion of the application system.
- ✓ Being an 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, application and performance of the product will not be adequate.
- ✓ Apply within the parameters of specified environmental conditions (Room Temperature, Surface Temperature and Relative Humidity).
- ✓ Follow the application conditions for the application equipment to be used.
- ✓ Store this product in its original container between 20°C and 30°C, in a dry, ventilated place, out of the reach of children.
- ✓ The container must remain closed to prevent loss of its properties.

HEALTH

- ✓ The user of this product may need the appropriate Personal Protective Equipment, as described in the respective Safety Data Sheet (MSDS), available on our website <https://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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