

TECHNICAL INFORMATION

EPOBECC EPOXY TIE COAT



521-86061-720

DESCRIPTION

EPOBECC Epoxy Tie Coat is an epoxy-polyamide two-pack coating formulated to be used as an intermediate coat between primer and finish, to increase the final thickness of a paint system. Has excellent adhesion, chemical resistance and stands up to constant immersion, it's ideal for increasing thickness in paint systems. This product includes components listed in FDA 21CFR-175.300 regulation.

USE

EPOBECC Epoxy Tie Coat is an intermediate layer in epoxy paint systems. Recommended for moderate to severe marine and industrial environments. It can be used as a primer in surfaces that do not require corrosion protection, such as aluminum, concrete, fiberglass, etc. It can be applied over our Organic Zinc-Tech Primer (521-86053-720) and it can be coated with a wide range of finishes.

Structure	Fences, screens, grills and gates, Ships, Buried Pipes or Structures, (internal), Exterior pipes, exterior tank walls, Floors, Interior walls or drinking water piping and tanks, Metallic Structures (column, trusses, etc.), Wastewater tanks.
Exterior/Interior	Indoor, Outdoor
Surface	Steel, Aluminum, Galvanized or Enamel Roof Sheet/Metal Tiles, Fiberglass, , Unplastered Concrete
Product line	Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Matte
Excellent Adherence	

PHYSICAL PROPERTY	DATA
Volume Solids (%)	54 -56
Pot life @ 20 °C.	8 h
Weight solids (%)	73 - 75
Weight per Gallon (kg/gal)	5.7 – 6.0
Stormer Krebs Viscosity (Ku)	90 - 100
Theoretical Yield (m ² /Gallon)	78 m ² @ 1mil
Maximum Service Temperature (°C)	120
Shelf Life	Component A: 24 months Component B: 24 months
Recommended Dry Film Thickness	1 - 5 mils
VOC (grams/liter)	390 - 400

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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Salt Spray

2700 h

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

(*) Data for Component A

PRESENTATION

AVAILABLE PRESENTATIONS

521-86051-307: 1 gallon metal container (3.785 liter)

521-86061-999, ¼ gallon metal container (0.946 liter)

AVAILABLE COLORS

Grey 720

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.
Metal Cleaning	New steel or iron surfaces should be cleaned with Desengrasante SUR 330-900.
Carbon Steel	Epobecc Primer Red 521-86051-307
Concrete	Surface must be clean from old paint and loose plaster, thoroughly dry and free from grease, oil or any chemical product. Over a polished concrete surface, create an adequate anchor pattern by mechanical or chemical methods.
Fiberglass	Sand to create an appropriate anchor profile to promote adherence.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86061-720 - EPOBECC EPOXY TIE COAT	4 Parts	Stir each component until completely homogeneous.
Component B - DILUYENTE ODORLESS	1 Part	Mix Component A and B as indicated, wait for the induction time.
Diluent - DILUYENTE ODORLESS	max 25%	Add diluent.

INDUCTION TIME : 20 min

PRODUCT APPLICATION

IT CAN BE APPLIED WITH



Airless spray



Brush



Roller



Spray gun (gravity or suction feed)

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Airless spray application

Nozzle size	0.30 - 0.45 mm
Fan Angle	60°
Dry Coat Thickness	2.0 mils
Wet Film Thickness	3.6 mils

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

Line Pressure	120 - 150 BAR
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Application conditions

Surface temperature should be at least 3°C (5°F) over dew point.

Room Temperature	10°C - 40°C
Relative Humidity	10% - 85% This product can be applied with up to 95% H. R. as long as it has the approval and follow-up of Grupo SUR's Technical Service
Surface Temperature	5°C - 35°C

Number of layers and thickness

Apply each coat of the paint system within recommended repaint times.

Drying times

Dry-to-Touch Time	3 h
Recoat time	8 - 24 h
Curing Time (days)	7 d

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

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OBSERVATIONS

- ✓ If you need more information, check our website <http://www.gruposur.com/asistencia>
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

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 containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.

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