TECHNICAL INFORMATION

EPOBECC PRIMER AA

EPOXY PRIMER

521-86151-307

COMPONENT

Component A	521-86151-307
Component B	521-86151-999

DESCRIPTION

EPOBECC PRIMER AA is a two-part epoxy adduct amine primer with anticorrosive properties for general uses, designed for industrial and marine environments. Must be coated with an epoxy or polyurethane finish.

USE

EPOBECC PRIMER AA can be used as an anticorrosive base on carbon steel surfaces, such as structures, walls of tanks, ships (both hulls and topsides) and machinery. It can also be used on surfaces under constant immersion. Comply with FDA21-CFR-175.300 (food storage) standard.

Structures	Buried Pipes, Buried Structures, Drinking water tanks (internal), Exterior pipes, exterior tank walls, Metallic Structures, Ships, Structural elements (column, trusses, etc.), Wastewater tanks
Exterior/Interior	Indoor, Outdoor, Roofed Exterior walls
Surface	Steel
Product line	Professional/industrial Line

CHARACTERISTICS

ASSESSMENT

Finish	Matte
Excellent Adherence	
Primer	

PHYSICAL PROPERTY	DATA
Volume Solids of the mix (%)	47.7
Specific Density	1.45 + 0.03

This product should be applied by qualified personnel using professional equipment. Technical data was 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's 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.

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Weight per gallon - Component A (kg)	5.5
Weigth Solids of the mix (%)	64-66
Stormer Krebs Viscosity (Ku)	110
Theoretical Yield (m²/Gallon)	70 m² @ 1 mil
Maximum Service Temperature (°C)	120
Shelf Life	Component A: 24 months Component B: 12 months
Salt Spray - ASTM B117	1000 h
Recommended Dry Film Thickness	1.5 mils
VOC (grams/liter)	438.6
Pencil Hardness (ASTM D3363)	B - 3B
ASTM d2794-93 Impact test (lb/in)	75
ASTM-D968 Sand Abrasion Resistance (lt/mil)	14.52
Pull Off Strength (ASTM -D-4541)	1,158 PSI (7.98 Mpa)
Adhesion tape test (ASTM-3359-5A)	5B

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

PRESENTATION

AVAILABLE PRESENTATIONS	AVAILABLE COLORS
521-86151-999, ¼ gallon can	Red oxide, Ocher Yellow
521-86151-307, 1 gallon can	
521-86151-999, 1 gallon can	
4 gallons (in a 5 gallon bucket, to ease catalization)	

SURFACE PREPARATION

CONDITION	INSTRUCTION

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NACE Standard	Use NACE o 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).
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.
Mechanical cleaning	Use hand or power tools to clean surface up to a SSPC (Standard Steel Structures Painting Council) SP2 or SP3 Cleaning Standard.
Abrasive blast Cleaning	Clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 o SP10 cleaning standard.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86151-307 - EPOBECC PRIMER AA	**4 Parts**	Stir each component until completely homogeneous, mix both components in the indicated proportions.
Component B: 521-86151-999 - EPOBECC EPOXY PRIMER AA COMPONENT B	**1 Part**	Mix Component A and B as indicated, wait for the induction time and finally add the diluent.
Diluent: 510-80003-900 - BECCPOXY EPOXY DILUENT	**max. 30%**	

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	0.38 to 0.45 mm
Fan Angle	60°
Dry Coat Thickness	1.5 mils
Wet Film Thickness	2.73 mil
Line Pressure	120-150 BAR

These are reference values. Professional users can slightly adjust some value as indicated by field conditions.

Application conditions	
Surface Temperature	5°C - 35°C
Room Temperature	10°C - 40°C
Relative Humidity	10% - 85%

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

Drying times	
Dry-to-Touch Time	3 h
Recoat time	8-72 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.

OBSERVATIONS

✓ If you need more information, one of our technicians will assist you.
Call 800-SUR-2000 or email us at customerservice@gruposur.com

✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

✓ Container must be kept tightly closed to avoid loss of its properties.

HEALTH

- ✓ Application personnel should use appropriate personal protective equipment, including safety gloves, goggles and activated charcoal respirator, 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.