

TECHNICAL INFORMATION

EPOBECC EPOXY PRIMER RED

Epoxy Primer

521-86051-307



COMPONENT

Component A	521-86051-307
Component B	521-86051-999

DESCRIPTION

Two-component epoxy amide primer with anticorrosive properties for general purposes, designed for industrial and marine environments.

USE

EPOBECC PRIMER RED can be used as an anticorrosive base on carbon steel surfaces and structures, walls of tanks, vessels (both underbody and topsides) and machinery. It can also be used on surfaces under constant immersion. This product includes components listed in federal regulation FDA 21CFR-175.300.

Structure	Drinking water tanks (internal), Exterior pipes, exterior tank walls, Fences, screens, grills and gates, Interior Pipe 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	
Anti Corrosive	Yes

PHYSICAL PROPERTY

DATA

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 the 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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Volume Solids (%)	44-46
Weight solids (%)	64-66
Weight per Gallon (kg/Gl)	5.5 Component A
Stormer Krebs Viscosity (Ku)	100-110
Theoretical Yield (m ² /Gallon)	70 m ² @ 1 mil
Maximum Service Temperature (°C)	120
Shelf Life (months)	Component A: 24 Component B: 12
Recommended Dry Film Thickness	1-5 mils
VOC (grams/liter)	430
ASTM D2794-93 Impact test (lb/in)	45
Abrasive Blast	23.33 l/mils (0.91 l/um)
Salt Spray	1,300 h
Adhesion tape test (ASTM-3359-5A)	
Pull Off Strength	1401.33 psi (7.29 Mpa)
Specific Density	1.45 + 0.03

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.

PRESENTATION

AVAILABLE PRESENTATIONS

521-86051-307, 1 gallon metal container

521-86051-999, ¼ gallon metal container.

AVAILABLE COLORS

Red 307

SURFACE PREPARATION

CONDITION

INSTRUCTION

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).

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Surface Preparation	Surface should be free of rust, grease, dust or any other contaminant that can affect the coating adherence or performance.
New steel Surfaces	New steel or iron surfaces should be cleaned with Desoxidante-Desengrasante Sur # 305-900.
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: 521-86051-307 - EPOBECC EPOXY PRIMER RED	4 Parts	Stir thoroughly until homogeneous
Component B: 521-86051-999 - EPOBECC EPOXY PRIMER COMPONENT B	1 Part	Mix Component A and B as indicated, wait for the induction time.
Diluent: 510-80003-900 - BECCPOXY DILUYENTE EPÓXICO	max. 30%	Finally add diluent

INDUCTION TIME : 20 min

PRODUCT APPLICATION

IT CAN BE APPLIED WITH



Airless spray



Brush



Roller



Spray gun (gravity or suction feed)

Airless spray application

Nozzle size 0.38 to 0.45 mm

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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, as detailed in this product's 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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