TECHNICAL INFORMATION

EPOBECC UNIVERSAL PRIMER

Epoxy Primer

521-86052-600

DESCRIPTION

Two-pack anticorrosive, chemically cured primer containing rust inhibitors pigments. It has high chemical resistance and excellent adhesion on galvanized iron.

USE

EPOBECC UNIVERSAL PRIMER can be used as an anticorrosive base on carbon steel surfaces, as structures, tank walls, galvanized steel, and machinery. It also can be used to protect inner walls of tanks containing drinking water.

Structure	Inner walls of tanks containing drinking water or wastewater. Exterior pipes and tank walls, fences, screens, grills and gates, Inner Pipe Walls, Metallic Structures, Ships, Structural elements (column, trusses, etc.).
Exterior/Interior	Indoor, Roofed outdoors
Surface	Carbon steel, Galvanized, aluminum
Product line	Professional/industrial Line

PROPERTIES

SPECIAL PROPERTIES

Finish	Matte
Excellent Adherence	
Excellent Adherence over Galvanized Steel	
Primer	
Anticorrosive	Yes

PHYSICAL PROPERTY	DATA
Volume Solids (%)	46-48
Pot life @ 20°C	8 hours
Weight solids (%)	62 - 66
Weight per Gallon (kg/Gl)	5.9
Stormer Krebs Viscosity (Ku)	85-95

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Theoretical Yield (m²/Gallon)	70,5 m² a 1 mil
Maximum Service Temperature (°C)	120
Shelf Life	Component A: 24 months Component B: 12 months.
Recommended Dry Film Thickness	1 - 4 mil
VOC (grams/liter)	472

Definition of theoretical yield: Maximum surface that a paint can cover 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.

CONTAINERS AND COLORS

AVAILABLE CONTAINERS	AVAILABLE COLORS
521-86052-600, 1 gallon can	Green
521-86052-999, ¼ gallon can	

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).
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.
Minimal cleaning	Use hand or power tools to clean surface up to a SSPC (Standard Steel Structures Painting Council) SP2 or SP3 Cleaning Standard.
Recommended 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

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Component A: 521-86052-600, EPOBECC UNIVERSAL PRIMER	**4 Parts**	Stir each component until completely uniform
Component B: 521-86052-999, EPOBECC UNIVERSAL PRIMER COMPONENT B	**1 Part**	Mix Component A and B as indicated, wait for the induction time, add diluent, and apply
Diluent: 510-80003-900, BECCPOXY DILUYENTE EPÓXICO	**max. 30%**	

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.	0.30 - 0.45 mm
Fan Angle	60°
Dry Coat Thickness	1.5 mils
Wet Film Thickness	3.66 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

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Dry-to-Touch Time	3 h
Drying time to recoat	30 days
Curing Time (days)	7 days

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.

NOTICE

- ✓ If you need more information, check our website https://www.gruposur.com/asistencia/
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat, between 20 and 30°C to avoid loss of its properties.

HEALTH

- ✓ This 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.

Notes