TECHNICAL INFORMATION

EPOBECC ENAMEL EPÓXICO

521-86071-000

DESCRIPTION

Two-pack epoxy-polyamide enamel finish for industrial and marine purposes. Applied as a system, it protects efficiently against fumes, vapors, diluted acid spills, saline solution and other chemical contamination.

USE

Epobecc Enamel is the right choice to protect every kind of metallic or concrete structures that will be in contact with acid or alkali solutions.
It can be used to coat industrial floors or other structures not exposed to sunlight.

Structure	Buried Pipes, Floors, Inner pipe walls, Metallic Structures, Ships, Structural elements (column, trusses, etc.), Wastewater tanks.
Exterior/Interior	Indoor
Surface	Aluminum, Unplastered concrete, Galvanized, Steel, Fiberglass
Product line	Professional/industrial line

PROPERTIES

SPECIAL PROPERTIES

Appearance	High Gloss
Excellent Adherence	
High Chemical Resistance	
Requires a primer	
High Gloss	

PHYSICAL PROPERTY		DATA
Volume Solids (%)		53 - 57
Weight solids (%)		63 - 67
Weight per Gallon (kg/gal)		4.90
Gloss at 60°		Min. 70 u.b
Metal adhesion		Min. 400 psi

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Drop-off resistance (ASTM D 4400)	12 mils
Stormer Krebs Viscosity (Ku)	94 - 100
Theoretical Yield (m^2/Gallon)	82.5m^2 @ 1 mil
Maximum Service Temperature (°C)	120°C
Shelf Life	Component A: 24 months Component B: 12 months
Pot life	8 h @ 20°C
Impact resistance (ASTM D 2794)	> 53 psi (60 kg/cm^2)
Fineness of dispersion ASTM D1210	7 - 8
Chemical Resistance	> 7B
Fineness of dispersion ASTM D1210	1.5 - 5 mils
VOC (grams/liter)	320

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

CONTAINERS

AVAILABLE CONTAINERS
521-86071-000, 1 gallon metal container
521-86071-999, ¼ gallon container

AVAILABLE COLORS
RAL Color Chart

SURFACE PREPARATION

CONDITION	INSTRUCTION
SURFACE PREPARATION	Surface should be free of rust, grease, dust, or any other contaminant that can affect its performance.
Concrete or Fiberglass	Epobecc H.B.Tie Coat 521-86061-720
Primer:	Apply over the adequate primer for each surface
Carbon Steel	Epobecc Primer Red 521-86051-307

PRODUCT PREPARATION

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COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
COMPONENT A: 521-86071-000 EPOBECC ENAMEL	2 Parts	Stir each component until completely homogeneous.
COMPONENT B: 521-86071-999 EPOBECC ENAMEL EPÓXICO COMPONENT B	**1 Part**	Mix Components A and B as directed, wait for induction time, and apply.
Diluent: 510-80003-900 BECCPOXY DILUYENTE EPÓXICO	**30% Max.**	

INDUCTION TIME : 20 min

PRODUCT APPLICATION

APPLICATION TOOLS:

Airless spray	Brush	Roller	Spray gun (gravity or suction feed)

Airless application	
Nozzle size	0.30mm - 0.45mm
Fan Angle	60°
Dry Coat Thickness	2.0 mils
Wet Film Thickness	3.28 mil
Line Pressure	120 - 150 BAR

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

Application conditions	
Relative Humidity	10% - 85% This product can be applied in humidity up to 95% if there is monitoring and approval by Technical Service of SUR Química.
Room Temperature	-10°C ~ 40°C

Surface Temperature	5°C - 35°C
Surface temperature should be at least 5°F (3°C) over dew point.	
Drying times	
Touch-Dry Time	4 h
Time to recoat	8 - 24 h
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 other information, you can check our website at https://www.gruposur.com/asistencia/
- ✓ Keep it in its original container closed to avoid loss of its properties, in a dry, ventilated place, between 20 and 30°C, out of reach of children.

HEALTH

- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at https://www.gruposur.com
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.