

TECCHNICAL INFORMATION



EPOBECC ESMALTE EPÓXICO INDUSTRIAL

521-86073-000

DESCRIPTION

A two-part enamel (epoxy-polyamide) for industrial and marine use. Applied as a system protects against fumes, vapors and spills of dilute acids, saline solutions, and other chemicals. It is Lead-Free, has high adhesion and resistance to constant immersion.

USE

Epobecc Esmalte Epóxico Industrial is indicated for painting metal or concrete structures that will be in contact with acidic or alkaline solutions.

It can be used for industrial floors or structures that won't be exposed to UV radiation.

Structure: Structural elements (columns, trusses, etc.), Boats, Metal Structure, tank outer walls, tubing inner walls, floors, buried structures, aerial or buried piping, Fences, or gates

Interior/Exterior Indoors, Covered Outdoors

Surface Carbon Steel, bare concrete, galvanized Steel, Fiberglass

Line Industrial/Professional Line

PROPERTIES

SPECIAL PROPERTIES

Appearance Glossy

Great Adherence

Requiere a Premier

High chemical resistance

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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PHYSICAL PROPERTIES	DATA
Weight solids (%)	55 - 57
Pot life @ 20°C	8 hours
Weight per gallon (kg/gal)	4.55
Gloss @ 60° (ASTM D-523)	> 70 ub
Volume Solids (%) (ASTM D-2697)	44 - 48
Chemical resistance (MPI 77, paragraph 7.2)	> 7 H, no defects
Adhesion (ASTM D-4541)	1000 psi (MPa)
Stormer Krebs Viscosity (Ku)	55 - 65
Theoretical Yield (m ² /gallon)	66m ² @ 1 mil
Tape Adherence (ASTM D-3359)	4A - 5A
Wet scrub resistance (ASTM D-2486)	> 2000 cycles
Maximum Performance Temperature (°C)	120
Shelf life	Component A 24 months Component B 24 months
Impact Resistance (ASTM D-2794)	> 103.69 kg/cm
Drying Time (ASTM D-1640)	6 hours
Fineness of Dispersion (ASTM D-1210)	7 Hegman
Recommended Dry film Thickness	1.2 - 4 mils

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VOC (grams/liter)	< 465
Abrasion resistance (ASTM D-968)	143 l/mil (5.62 l/um)
Taber Abraser Test (ASTM D-4060-95) 1 Kg,(1000 cycles CS-10)	5.4mg
Taber Abraser Test ASTM D-4060-95 1 Kg,(1000 cycles CS-17)	85.3 mg

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

This data was measured from white Paint

CONTAINERS AND COLORS

AVAILABLE CONTAINERS

AVAILABLE COLORS

Component A: 521-86073-000, ¼ gallon can (0.946 Lt.)

Available in RAL Chart Colors

Component B: 521-86073-999, ¼ gallon can (0.946 Lt.)

Component B: 521-86073-999, 1 gallon can (3.785 Lt.)

Component A: 521-86073-000, 1 gallon can (3.785 Lt.)

Component A: 521-86073-000, 5-gallon bucket (18.925 Lt.)

Component B: 521-86073-999, 5-gallon bucket (18.925 Lt.)

SURFACE PREPARATION

CONDITION	INSTRUCTION
MINIMUM CLEANING:	Using hand or power tools, clean the surface to a SSPC-SP2 or SP3 cleaning standard, as indicated by the Steel Structures Painting Council
RECOMMENDED PREPARATION:	Optimal preparation is obtained cleaning with abrasive blast to a minimum degree of Commercial SSPC -SP6
CARBON STEEL:	Epobecc Primer Red 521-86051-307
SURFACE PREPARATION:	Surface should be free of rust, grease, dust, or any other contaminant that can affect the coating adherence or performance.

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NACE Standards: Use NACE, SSPC (Steel Structure Painting Council), or our own “Manual de Patrones Gráficos BECC para la preparación de superficies de acero. (BECC Graphic patterns for Steel surface preparation).

CONCRETE OF FIBERGLASS

Epobecc H.B.Tie Coat 521-86061-720

PRIMER:

Apply over the proper primer for each surface.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86073-000, EPOBECCC ESMALTE EPÓXICO INDUSTRIAL	1 Part	Stir well each container before mixing
Component B: 521-86073-999, EPOBECC ESMALTE EPÓXICO IND. WHITE COMPONENT B	1 Part	Mix both A and B parts, as indicated, and wait for 30 minutes induction time
Diluent: 510-80003-900, BECCPOXY DILUYENTE EPÓXICO	5% Maximum	After induction time, add diluent

Induction Time: 20 minutes

PRODUCT APPLICATION

APPLICATION TOOL

Brush Airless equipment Air spray (gravity or suction feed) Roller

Airless Application

Nozzle Size	0.30 - 0.63mm
Fan Angle	60°
Dry thickness per layer	1.3 mils
Wet thickness per layer	3 mils
Inline pressure	120 - 150 BAR

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

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

Touch-Dry	6 h
Time to recoat	10 – 24 h
Full drying time in days	7 d

Drying times listed are under ideal conditions (Between 22–28°C temperature and 50 – 80% ambient 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 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 store or our industrial compound in La Uruca, San Jose

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