

**TECHNICAL
INFORMATION
BECCTHANE ENAMEL
Glossy Finish Enamel**



521-81072-000

COMPONENT

Component A	521-81072-000
Component B	521-81072-999

DESCRIPTION

BECCTHANE ENAMEL is a two-pack aliphatic polyurethane acrylic enamel with a glossy finish. It has excellent adhesion, high hardness, good chemical and UV rays resistance.

USE

Specially designed as a finish coat for boats above waterline, on industrial machinery and over any metallic surface in marine or industrial environment under severe conditions. Specially formulated as a finish for steel, aluminum or fiberglass surfaces above waterline on yachts, sports or pleasure boats.

Structure	Exterior pipes, exterior tank walls, fences, screens, grills and gates, Floors, metallic Structures, ships, Structural elements (column, trusses, etc.).
Exterior/Interior	Indoors, Outdoors
Surface	Aluminum, Enamel Roof Sheet/Metal Tiles, Fiberglass, Galvanized, Steel, Unplastered Concrete
Product line	Professional/industrial Line

CHARACTERISTICS

ASSESSMENT

Requires a previous primer	
Finish	Glossy
High Gloss	

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's 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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PHYSICAL PROPERTY	DATA
Volume Solids (%)	45 - 47
Weight solids (%)	50 - 52
Weight per Gallon (kg/Gl)	4.0 to 4.25
Stormer Krebs Viscosity (Ku)	75-80
Theoretical Yield (m ² /Gallon)	69 m ² @ 1 mil
Maximum Service Temperature (°C)	90°C
Shelf Life	Component A: 12 months Component B: 6 months
Recommended Dry Film Thickness	1.5 - 3 mils
VOC (grams/liter)	495

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

521-81072-000: 1-gallon can filled with 0.833 gallon (exactly 3.154 liter). To make 1 gallon of product when properly mixed a full can of B Component.

521-81072-999: ¼ gallon can filled with 0.166 gallon (exactly 0.630 liter). To make 1 gallon of product when properly mixed with a full can of A Component.

AVAILABLE COLORS

RAL Color Chart

SURFACE PREPARATION

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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.
Primers:	Apply over the appropriate correct primer for each surface. For example: On Iron: Epobecc Primer Red (521-86051-307). Zinc -Tec Organic Primer (521-86053-720) Zinc -Tec Inorganic Primer HS (521-85051-720)
Concrete or Fiberglass	Epobecc H.B.Tie Coat 521-86061-720

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-81072-000 – BECCTHANE ENAMEL	5 Parts	Mix Component A and B as directed, then add the diluent.:
Component B: 521-81072-999 – BECCTHANE ENAMEL COMPONENT B	1 Part	
Diluent: 510-80002-900 – BECCTHANE THINNER	max. 20%	

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 0.53 mm
Fan Angle	30° – 60°
Dry Coat Thickness	1.5 mils
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	6-24 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

✓

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- ✓ The user of this product may need the 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.

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