

## TECHNICAL INFORMATION



### BECCTHANE ENAMEL HS PLUS

521-81073-000

#### COMPONENT

Component A	521-81073-000
Component B	521-81073-999

#### DESCRIPTION

Two-Pack, aliphatic polyurethane coating. It has a high cross-linking ratio, which provides a glossy finish and offers a maximum hardness and chemical resistance for application in highly aggressive environments. It has good weather resistance, excellent adhesion, and cures by chemical reaction.

#### USE

Specially designed as a finish coat in boats above waterline, on industrial machinery and over any metallic surface in severe industrial or marine environments.

It can be applied over industrial concrete floors, always over the appropriate primer.

<b>Structure</b>	Exterior pipes, exterior tank walls, Fences, screens, grills and gates, Metallic Structures, Ships, Structural elements (column, trusses, etc.)
<b>Exterior/Interior</b>	Indoor, Outdoor
<b>Surface</b>	Enameled Roof Sheet/Metal Tiles, Fiberglass, Galvanized, Steel, Unplastered Concrete
<b>Product line</b>	Professional/industrial Line

#### CHARACTERISTICS

##### ASSESSMENT

Requires a previous primer

Finish	Glossy
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High Yield

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High Gloss

PHYSICAL PROPERTY	DATA
Volume Solids of the mix (%)	81-84
Weight Solids of the mix (%)	85-88
Recommended Dry Film Thickness	2-3 mil
Stormer Krebs Viscosity (Ku)	100-110
ASTM D3359 (Adhesion measuring by tape Test)	3B - 5B
Weight per Gallon (kg/Gl)	5.10 to 5.30
Pull Off Strength	395 psi (2.72 Mpa)
Maximum Service Temperature (°C)	120 °C
Shelf Life	Component A: 24 months Component B: 12 months
Pot life @ 20 °C.	4 h
Theoretical Yield (m <sup>2</sup> /Gallon)	126 m <sup>2</sup> @ 1 mil
VOC (grams/liter)	215
ASTM-D968-05 Sand Abrasion Resistance	101.4 l/mil (3,98 l/μm)
Pencil Hardness (ASTM D3363)	H - 3B
ASTM d2794-93 Impact test (lb/in)	D <90, I > 90

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.

Note: Values Measured for white color

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### PRESENTATION

#### AVAILABLE PRESENTATIONS

521-81073-000: 2.8 liters (in 1 gallon metal container for on easier catalyzation ).

521-81073-999, 1/4 gallon metallic 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 the coating adherence or performance.

#### 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).

#### 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

### Roller application

Care must be taken to avoid irregularities or bubbles in the paint film.

### Airless spray application

Nozzle size. 0.38 to 0.53 mm

Fan Angle 30 °

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Dry Coat Thickness	2.5 mils
Wet Film Thickness	3 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 – 35 °C
Relative Humidity	10% – 85%

Surface temperature should be at least 3°C (5°F) over dew point.

### Drying times

Dry-to-Touch Time	1.5 h
Recoat time	4-24 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](mailto: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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- Application personnel should use appropriate personal protective equipment, including safety gloves, goggles and activated charcoal respirator.
- For a safe use of this product ask for its safety data sheet (MSDS).
- 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

- The applicator must use the appropriate Personal Protective Equipment, which is detailed in the MSDS of this product

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