

## TECHNICAL INFORMATION



### BECCACRYL POLYSILOXANE

521-81076-000

#### COMPONENT

Component A	521-81076-000
Component B	521-81076-999

#### DESCRIPTION

Beccacryl Polysiloxane is a two-component acrylic polysiloxane top coat with high crosslinking, provides a glossy finish, allowing extraordinary color and gloss retention and easy cleaning. It cures by chemical reaction, has excellent hardness and high resistance to UV radiation, so it's recommended for high aggressive industrial environments.

#### USE

Specially designed as a finish coat in boats (above waterline) and for industrial machines, pipes, structures and any metallic surface in marine environments or exposed to sunlight.

<b>Structure</b>	Exterior pipes, exterior tank walls, Metallic Structures, Ships, Structural elements (column, trusses, etc.)
<b>Exterior/Interior</b>	Indoor, Outdoor
<b>Surface</b>	Aluminum, Fiberglass, Galvanized, Steel, Unplastered Concrete
<b>Product line</b>	Professional/industrial Line

#### CHARACTERISTICS

##### ASSESSMENT

High UV Resistance

Requires a previous primer

High Yield

High Gloss

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Excellent performance on  
C5 Zone, ISO Standard  
12944

PHYSICAL PROPERTY	DATA
Volume Solids (%)	60-61
Specific Density	1.34 - 1.40
Pot life @ 20 °C.	1 hour
Weight solids (%)	65-67
Weight per Gallon (kg/Gl)	5.2
Stormer Krebs Viscosity (Ku)	90-105
Theoretical Yield (m <sup>2</sup> /Gallon)	90 m <sup>2</sup> @ 1 mil
Shelf Life	Component A: 24 months Component B: 6 months
Maximum Service Temperature (°C)	120 °C
Recommended Dry Film Thickness	2 - 3 mils
VOC (grams/liter)	395

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

### PRESENTATION

#### AVAILABLE PRESENTATIONS

#### AVAILABLE COLORS

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RAL Color Chart

521-81076-000, 1 gallon container

521-81073-999, 1/4 gallon metallic container

### 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 or 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).
Proper Primers	Apply over the appropriate primer for each surface. For example: On steel: Epobecc Bond 521-86072-307, Zinc-Tech Organic Primer 521-86053-720, or Zinc-Tech Inorganic Primer H.S. 521-85051-720.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-81076-000 – BECCACRYL 4 Parts POLYSILOXANE		Mix Component A and B as directed, then add the diluent.:

INDUCTION TIME : Does not require.

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### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH



Airless spray



Brush



Spray gun (gravity or suction feed)

#### Airless spray application

Nozzle size.	0.33 to 0.38 mm
Fan Angle	30 ° - 60 °
Dry Coat Thickness	1.5 mils
Wet Film Thickness	2.5 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 should be at least 3°C (5°F) over dew point.

Room Temperature	10 °C - 40 °C
Relative Humidity	10% - 85%
Surface Temperature	5 °C - 35 °C

#### Drying times

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Dry-to-Touch Time	45 min
Recoat time	6-24 hrs
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

- 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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