

# TECHNICAL INFORMATION

## BECC SIL ENAMEL

### Silicone Alkyd Enamel

521-82077-000



#### DESCRIPTION

BECC SIL ENAMEL is a glossy, hi-weather resistance silicone-alkyd enamel. It is ideal for maintenance of UV rays exposed metal surfaces. Its color retention and gloss is far superior to conventional alkyd enamels. Also suitable as an enamel for medium temperature industrial maintenance.

#### USE

BECC SIL ENAMEL was specially designed as a top coating of structures, piping and tank external walls, industrial machinery and any metal surface in industrial environments. This product is not suitable for constant immersion. For use in harsh industrial environments contact our Technical Service Department.

**Structure** Chimneys, exterior tank walls, Metallic Structures

**Exterior/Interior** Indoor, Outdoor, Roofed Exterior walls

**Surface** Steel

**Product line** Professional/industrial Line

#### CHARACTERISTICS

##### SPECIAL PROPERTIES

<b>Finish</b>	Glossy
<b>Requires a previous primer</b>	
<b>Single-Part</b>	

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	55 - 59
Weight solids (%)	64 – 68
Weight per Gallon (kg/gal)	4.40 - 4.65
Stormer Krebs Viscosity (Ku)	75 - 85
Theoretical Yield (m <sup>2</sup> /Gallon)	51m <sup>2</sup> @ 1.5mils
Maximum Service Temperature (°C)	200 for Aluminum color and 350 other colors
Shelf Life	24 months
Recommended Dry Film Thickness	2.5 mils
VOC (grams/liter)	376

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

Note: Values Measured for white color.

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.



Version 1.1 of: 30  
mar 2020



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#### PRESENTATION

##### AVAILABLE PRESENTATIONS

1-gal metal can (3.785 Lt.)

5-gal bucket (18.925 Lt.)

##### AVAILABLE COLORS

RAL Color Chart

#### SURFACE PREPARATION

##### CONDITION

##### INSTRUCTION

##### 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).

##### Surface Preparation

Surface should be free of rust, grease, dust or any other contaminant that can affect the coating adherence or performance.

##### Primer:

Apply over the appropriate primer for every surface.

##### Iron:

Beccgard FD Primer (521-82054-307)

##### Concrete or Fiberglass

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

#### PRODUCT PREPARATION

##### COMPONENT

##### MIXING RATIO

##### MIXING INSTRUCTIONS

Product: 521-82077-000, BECC SIL ENAMEL

**100%**

Stir before use, add diluent and mix well.

Diluent: 510-80001-900, BECC SPECIAL DILUENT

**max. 10%**

#### PRODUCT APPLICATION

##### IT CAN BE APPLIED WITH



Airless



Brush



Roller



Spray gun (gravity or suction feed)

#### Airless spray application

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Nozzle size	0.28 to 0.38 mm
Fan Angle	30° to 60°
Dry Coat Thickness	1.5 mils
Wet Film Thickness	2.8 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

Touch-Dry Time	1.5 hours
Time to Recoat	24 hours – Open
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.

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#### OBSERVATIONS

- ✓ If you need more information, check our website <http://www.gruposur.com/asistencia>
- ✓ 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

- ✓ 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 Color paint store or our industrial compound in La Uruca, San Jose.

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