

# TECHNICAL INFORMATION

## BECCSHELL ENAMEL

521-82071-000



### DESCRIPTION

BECCSHELL SPECIAL ENAMEL is an outstanding glossy enamel with room temperature curing and provides a high gloss and excellent adhesion.

### USE

It can be used as a finish coat for industrial or marine environments located indoors or outdoors, and on machinery surfaces.

<b>Structure</b>	Outer tank walls, fences, grills and gates, Metallic Structures, Ships, Structural elements (column, trusses, etc.)
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<b>Exterior/Interior</b>	Indoor, Outdoor, Roofed Exterior walls
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<b>Surface</b>	Iron, Aluminum, Galvanized Steel, Fiberglass
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<b>Product line</b>	Professional/industrial Line
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### PROPERTIES

#### SPECIAL PROPERTIES

<b>Finish</b>	Glossy
<b>Fast Drying</b>	
<b>Requires a previous primer</b>	
<b>Single-part</b>	
<b>High Gloss</b>	

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	47 – 49
Weight solids (%)	55 – 63
Weight per Gallon (kg/gal)	4.7 – 4.95
Gloss @ 60°	85 – 95 UB
Sag Resistance (ASTM D 4400)	4 – 5 mils
Stormer Krebs Viscosity (Ku)	80 – 85
Maximum Service Temperature (°C)	90
Shelf Life	24 months

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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Grinding fineness	7 Hegman
Mandrel Flex Test	1 / 8 (pass)
Recommended Dry Film Thickness	2.5 mils
Theoretical Yield (m <sup>2</sup> /gallon)	72 m <sup>2</sup> @ 1 mil
Theoretical Yield (ft <sup>2</sup> /gallon)	775 ft <sup>2</sup> @ 1 mil
VOC (grams/liter)	445
Abrasion in liters of sand per mil (l/mil)	20

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

Note: Values Measured on white color

### CONTAINERS AND COLORS

#### AVAILABLE CONTAINERS

1 gallon can (3.785 Lt.)

5-gallon bucket (18.925 Lt.)

#### 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 this coating's adherence or performance.
Primer:	Apply over the appropriate primer for each surface.
Galvanized Steel	Aquabecc Primer (521-87052-307).
Iron:	Beccgard FD Primer 521-82054-307.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 521-82071-000, BECCSHELL ENAMEL	100%	Stir well before use
Diluent: 510-80001-900, BECC DILUYENTE	max. 25%	Measured by volume

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ESPECIAL

### PRODUCT APPLICATION

#### APPLICATION TOOL

Airless

Brush

Roller

Air spray (gravity or  
suction feed)

#### Airless application

Nozzle size	0.40-0.50 mm
Fan Angle	60°
Dry Coat Thickness	1.5 mils
Wet Film Thickness	3.12 mils
Line Pressure	110 - 140 BAR

These are reference values. Professional users can slightly adjust some value as indicated by field conditions.

#### Application conditions

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

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

#### Number of layers and thickness

Apply following coats of paint system within recommended repaint times.

#### Drying times

Dry-to-Touch Time	30 min
Recoat time	8 hrs - Unlimited
Curing Time	24 h

Dry times are based in normal application, temperature, film thickness and dilution conditions and are provided to serve as a guide. It may be necessary to vary output pressure or nozzle size to get better

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results.

### Application Instructions

When one of these factors change, specific measures should be taken.

### 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

- ✓ 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.
- ✓ 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>

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