

# TECHNICAL INFORMATION

## BECCSHELL STRUCTURAL FINISH



### Fast Drying Enamel

521-82075-000

#### DESCRIPTION

BECCSHELL STRUCTURAL FINISH is a synthetic enamel for industrial use, has excellent adhesion and fast drying at room temperature, which improves productivity.

#### USE

STRUCTURAL FINISH BECCSHELL is ideal as a finish in metal structures and machinery.

Structure	Fences, screens, grills and gates, Metallic Structures, Structural elements (column, trusses, etc.)
Exterior/Interior	Indoor, Outdoor,
Surface	Steel
Product line	Professional/industrial Line

#### CHARACTERISTICS

##### ASSESSMENT

Finish	Satin
Fast Dry	
Single-component	
Requires a previous primer	

##### PHYSICAL PROPERTY

##### DATA

Volume Solids (%)	34 - 35
Weight solids (%)	47 - 48
Weight per Gallon (kg/Gl)	4.3 to 4.5
Stormer Krebs Viscosity (Ku)	80-90
Theoretical Yield (m <sup>2</sup> /Gallon)	49.5 m <sup>2</sup> @ 1 mil
Maximum Service Temperature (°C)	90
Shelf Life	24 months
Recommended Dry Film Thickness	2.5

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over the conditions, tools, the skills of the applicator, or over the selection, preparation or compatibility of the 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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VOC (grams/liter)

450

Definition of theoretical yield: Maximum surface that a paint can cover under ideal conditions. Pactical 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

#### PRESENTATION

##### AVAILABLE PRESENTATIONS

1 gl. can (3.785 lt)

5 gl. bucket (18.925 lt)

##### AVAILABLE COLORS

RAL Color Chart

#### SURFACE PREPARATION

CONDITION	INSTRUCTION
<b>NACE Standard</b>	Use NACE, 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).
<b>Surface Preparation</b>	Surface should be free of rust, grease, dust or any other contaminant that can affect adherence or performance.
<b>Primer:</b>	Apply over the adequate primer for every surface.
<b>Iron:</b>	Beccgard Structural Primer 521-82055-170.
<b>Galvanized Steel</b>	Aquabecc Primer (521-87052-307).
<b>Concrete or Fiberglass</b>	Epobecc H.B. Tie Coat 521-86061-720

#### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
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Product: 521-82075-000 - BECCSHELL STRUCTURAL FINISH	100%	Stir content, add diluent and mix.
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Diluent: 510-80001-900 - BECC SPECIAL DILUENT	max. 25%	Measured by volume.
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### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH



Airless spray



Brush



Roller



Spray gun (gravity or suction feed)

#### Airless spray application

Nozzle size.	.40-.50 mm
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Fan Angle	60°
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Dry Coat Thickness	1.5 mils
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Wet Film Thickness	3.41 mils
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Line Pressure	110-150 BAR
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These are reference values. Professional users can slightly adjust some value as indicated by field conditions.

#### Application conditions

Surface Temperature	5°C - 35°C
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Room Temperature	10°C - 40°C
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Relative Humidity	10% - 85%
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Surface temperature should be at least 3°C (5°F) over dew point.

#### Drying times

Dry-to-Touch Time	30 - 40 min
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Recoat time	4-24 hours
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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.

#### HEALTH

- ✓ Application personnel should use appropriate personal protective equipment, including safety gloves, goggles and activated charcoal respirator, 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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