

# TECHNICAL INFORMATION

## BECCSHELL FD FLAT ENAMEL

521-82074-000



### DESCRIPTION

FD BECCSHELL FLAT ENAMEL is a quick-drying matte enamel with excellent adhesion and room temperature curing. Is suitable for use in light to moderate industrial maintenance.

### USE

BECCSHELL FD Flat Enamel is formulated to be used as a finish in structures and machinery. Special for high production environments.

**Structure** Ships, exterior tank walls, Metallic Structures, Structural elements (column, trusses, etc.)

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

**Surface** Steel

**Product line** Professional/industrial Line

### CHARACTERISTICS

#### SPECIAL PROPERTIES

<b>Finish</b>	<b>Matte</b>
<b>Fast Dry</b>	
<b>Requires a previous primer</b>	
<b>Single-part</b>	

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	53 - 55
Weight solids (%)	68-70
Weight per Gallon (kg/gal)	5.35 to 5.45
Stormer Krebs Viscosity (Ku)	90-95
Theoretical Yield (m <sup>2</sup> /Gallon)	53 - 55m <sup>2</sup> @ 1.5 mils
Maximum Service Temperature (°C)	90
Shelf Life	24 months
Recommended Dry Film Thickness (mils)	1-3
Abrasion ASTM D4060 (l/mil)	82
VOC (grams/liter)	400

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.



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### PRESENTATION

#### AVAILABLE PRESENTATIONS

1 gallon metal can (3.785 lt.)

5 gallon bucket (18.925 lt.)

#### AVAILABLE COLORS

RAL Color Chart

### SURFACE PREPARATION

#### CONDITION

#### INSTRUCTION

#### NACE Standard

Use NACE o SSPC (Steel Structure Painting Council) standard, 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 proper primer for each surface.

#### Iron

Beccgard FD Primer 521-82054-307.

### PRODUCT PREPARATION

#### COMPONENT

#### MIXING RATIO

#### MIXING INSTRUCTIONS

Product: 521-82074-000, BECCSHELL FD FLAT ENAMEL **100%**

Stir well before use.  
Add diluent and mix thoroughly.

Diluent: 510-80001-900, BECC Special DILUENT **max. 25%**

Shake until thoroughly mixed.

### 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

Fan Angle

60°

Dry Coat Thickness

1.5 mils

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
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

Dry-to-Touch Time	10 - 15 minutes
Recoat time	1 hour - Unlimited
Curing Time (days)	1

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

- ✓ 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.
- ✓ 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>

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