

TECHNICAL INFORMATION

BECCGARD FD PRIMER

521-82054-307



DESCRIPTION

BECCGARD FD PRIMER is fast drying primer, formulated from alkyd resins. It contains anticorrosive pigments that inhibit corrosion process. Lead and chrome-free.

USE

It can be used as an anticorrosive base on carbon steel surfaces, such as structures, tank walls and machinery. It can be coated with water-base or alkyd finishes. It can be applied with conventional airspray or airless equipment, specially where high productivity is required.

Structure	Exterior pipes, exterior tank walls, fences, screens, grills and gates, Metallic Structures, Ships, Structural elements (column, trusses, etc.)
Exterior/Interior	Indoors, Roofed Exterior walls
Surface	Steel
Product line	Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Matte
Primer	
Single Part	
Lead and Mercury-Free	
Anti Corrosive	Yes

PHYSICAL PROPERTIES

DATA

Volume Solids (%)		64-66
Weight solids (%)		81-83
Weight per Gallon (kg/gal)		5.95 to 6.25
Gloss @ 60°	ASTM D 523	1.4 GU
Top layer compatibility		No defects, gloss difference @ 60° = 2
Stormer Krebs Viscosity (Ku)		90-95
Theoretical Yield (m ² /Gallon)		97 m ² @ 1 mil
Flexibility	ASTM D 522	1/8"
Salt Spray - ASTM B117 (hours)		> 1000 (1,6 mm spot on the mark as a part of a system).
Maximum Service Temperature (°C)		90°C

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Resistance to Controlled Condensation ASTM [MPI76. Parr. 7.8] D-4585 (hours)	No defects
Recommended Dry Film Thickness	2 mils
Solids on Dry Film (% per weight)	21
Impact resistance ASTM D-2794 (lb-inch)	15
Resistance to Controlled Condensation ASTM D-4585 (hours)	1,500 No effect
Adherence Test (ASTM D-3359-95a)	5B
ASTM-D968-05 Sand Abrasion Resistance	11.07
Pencil Hardness (ASTM D3363)	2B - 3B
VOC (grams/liter)	302
Shelf Life	24 months

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.

CONTAINERS AND COLORS

AVAILABLE CONTAINERS

¼ gallon can (0.946 lt)
1 gallon can (3.785 lt)
5-gallon bucket (18.925 lt)

AVAILABLE COLORS

Red 307
Yellow 175
Clear grey 751

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 o 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).
Metal Cleaning	New steel or iron surfaces should be cleaned with Desengrasante SUR 330-900.
Abrasive blast Cleaning	Clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 o SP10 cleaning standard.
Mechanical Cleaning	Use hand or power tools to clean surface up to a SSPC (Standard Steel Structures Painting Council) SP2 or SP3 Cleaning Standard.

PRODUCT PREPARATION

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COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 521-82054-307, BECCGARD FD PRIMER	100%	Stir well, add diluent, and stir again
Diluent: 510-80001-900, BECC DILUYENTE ESPECIAL	max. 25%	

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Airless spray Brush Roller Airspray (gravity or suction feed)

Airless application

Nozzle size	.40 - .50 mm
Dry Coat Thickness	2 mils
Wet Film Thickness	3 mil
Line Pressure	110 - 140 BAR

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	24 hrs

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

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- ✓ If you need more information, one of our technicians will assist you. Call 800-SUR-2000 or email us at 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 store or our industrial compound in La Uruca, San Jose.

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