

Alkyd Primer

521-82055-170

DESCRIPTION

STRUCTURAL BECCGARD PRIMER is an anticorrosive primer formulated on high performance synthetic resins, contains corrosion inhibitor pigments and cures at room temperature. It is specially designed to be used in mildly aggressive environment.

USE

It can be used as an anticorrosive base on carbon steel surfaces. It's not recommended to remain in constant immersion. It can be coated with alkyd finishes or water base systems.

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

CHARACTERISTICS

ASSESSMENT

Finish	Matte
Lead and Mercury-Free	
Primer	
One-component	
Anti Corrosive	Yes

PHYSICAL PROPERTY

DATA

Volume Solids (%)	50 – 52
Weight solids (%)	78-80
Weight per Gallon (kg/Gl)	5,75 – 6,00
Stormer Krebs Viscosity (Ku)	100-120
Theoretical Yield (m ² /Gallon)	50 – 52 m ² @ 1,5 mils
ASTM D3359 (Adhesion measuring by tape)	5B

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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Test)

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
Shelf Life	24 months
Recommended Dry Film Thickness	1 – 3 mils
Pencil Hardness (ASTM D3363)	HB – 3B
VOC (grams/liter)	348
Impact resistance ASTM D-2794 (lb-inch)	60
ASTM-D968 Sand Abrasion Resistance (lt/mil)	26

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

PRESENTATION

AVAILABLE PRESENTATIONS

1/4 gl metal can (0.946 lt)

1 gl metal can (3.785 lt)

5 Gallon bucket (18.925 lt)

AVAILABLE COLORS

Red 307

Light Grey 747

Yellow 170

SURFACE PREPARATION

CONDITION

INSTRUCTION

Note:

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).

Metallic Surface

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

Degreaser:

New steel or iron surfaces should be cleaned with Desengrasante SUR 330-900.

Mechanical Cleaning:

Use hand or power tools to clean surface up to a SSPC (Standard Steel

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Structures Painting Council) – SP2 o SP3 Cleaning Standard.

Abrasive Blast Cleaning

For severe service conditions, clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 o SP10 cleaning standard. Surface should have an adequate anchor profile (20% of the paint system total thickness).

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 521-82055-170 – BECCGARD STRUCTURAL PRIMER	100 %	Mix the contents, add diluent and mix.
Diluent: 510-80000-900 – BECC DILUYENTE STANDARD	max. 20 %	Add up to 20% of 510-80000-900 or 510-80001-900.

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 50°

Dry Coat Thickness 1.5 mils

Wet Film Thickness 2.8 mils

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

Line Pressure 110-140 BAR

Application conditions

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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 min
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Recoat time	1 hour – Unlimited
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Curing Time (days)	24 h
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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
- ✓ 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

- ✓ Application personnel should use appropriate personal protective equipment, including safety gloves, goggles and activated charcoal respirator.
- ✓ For a safe use of this product ask for its safety data sheet (MSDS).
- ✓ 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.

Notes

- ✓ The applicator must use the appropriate Personal Protective Equipment, which is detailed in the MSDS of this product

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