

TECHNICAL INFORMATION

BECCSIL MT RESISTANT

521-88083-800



DESCRIPTION

Acrylic silicone high performance coating for medium temperatures, specially to protect in harsh industrial conditions or in marine environments. It has excellent adhesion, chemical resistance and room temperature drying.

USE

BECCSIL MT RESISTANT can be used as a finish in furnaces, fireplaces, pipes, and any metal structure subject to medium operation temperatures.

It can be applied direct to metal, but for better corrosion protection use it over Zinc-Tech Inorganic Primer (521-85051-720).

Structure	Chimneys, Furnaces
Exterior/Interior	Indoor, Outdoor, Roofed Exterior walls
Surface	Steel
Product line	Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Satin
High UV Resistance	
Single part	

PHYSICAL PROPERTY	DATA
Volume Solids (%)	30-32
Weight solids (%)	38 - 40
Weight per Gallon (kg/gal)	3.70 - 3.90
Stormer Krebs Viscosity (Ku)	53-60
Theoretical Yield (m ² /Gallon)	45m ² @ 1 mil
Maximum Service Temperature (°C)	315 for Aluminum 250 for Blue
Shelf Life	12 months
Recommended Dry Film Thickness	2 - 4 mils

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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VOC (grams/liter)

590

Definition of theoretical yield: Maximum surface that a painting 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.

PRESENTATION

AVAILABLE PRESENTATIONS

1 gallon metal can (3.785 Lt.)

AVAILABLE COLORS

Aluminum 800

Blue 510

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).

Abrasive blast Cleaning

Clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 o SP10 cleaning standard.

New steel Surfaces

New steel or iron surfaces should be cleaned with Desoxidante-Desengrasante Sur # 305-900.

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

Product: 521-88083-800, BECCSIL MT
RESISTANT

Stir the contents of the canister,
add diluent and mix.

Diluent: 510-80001-900, BECC DILUYENTE
ESPECIAL **Max. 30%**

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

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Airless spray	Brush	Roller	Spray gun (gravity or suction feed)
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Airless spray application

Nozzle size	0.33 mm
Fan Angle	60°
Dry Coat Thickness	1.5 mils
Wet Film Thickness	5.36 mil
Line Pressure	40 PSI

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

Dry times are based in normal application, temperature, film thickness and dilution 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.

Drying times

Dry-to-Touch Time	3 h
Recoat time	8 h – 5 d
Curing Time (days)	1 d

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.

Application Instructions

Must be applied with a surface temperature between 4°C and 35°C

OBSERVATIONS

✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

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- ✓ 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.
- ✓ This product is for professional/industrial use only and must be applied by trained personnel, using the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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