

# TECHNICAL INFORMATION

## BECCSIL HT RESISTANT

521-88084-800



### DESCRIPTION

Beccsil H.T Resistant is a coating based on modified silicone resins, specially designed to withstand temperatures up to 550 °C. It has excellent adhesion on a suitable primer.

### USE

Beccsil H.T Resistant is a special coating for furnaces, fireplaces, pipes, or any mechanical structure that is subject to high operating temperatures (up to 550°C). It can be applied direct to metal, but for better corrosion protection, use it over Zinc-Tech Inorganic Primer 521-85051-720.

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

### CHARACTERISTICS

#### SPECIAL PROPERTIES

<b>Finish</b>	Glossy
<b>High UV Resistance</b>	
<b>Single-part</b>	

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	27-29
Weight solids (%)	36 - 38
Weight per Gallon (kg/gal)	3.8
ASTM D3359 (Adhesion measured by tape Test)	5B
Stormer Krebs Viscosity (Ku)	53-60
Theoretical Yield (m <sup>2</sup> /Gallon)	42m <sup>2</sup> @ 1 mil
Maximum Service Temperature (°C)	550°C
Shelf Life	24 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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Pencil Hardness (ASTM D3363)	B H
Solids on Dry Film (% per weight)	55.5
VOC (grams/liter)	650
Abrasion ASTM D4060 (l/mil)	Comply with 30
ASTM D2794-92 Impact test (lb/in)	D = 90; I = 60
Pigment Volume Concentration (PVC)	39.5

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.

### PRESENTATION

#### AVAILABLE PRESENTATIONS

1 gal metal can (3.785 lt)

#### AVAILABLE COLORS

Aluminum

### 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, 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 APPLICATION

#### Airless application

Nozzle size	0.33 mm
Fan Angle	60°

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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.

### 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.

### Number of layers and thickness

Apply next coats of paint system within recommended repaint times.

### Drying times

Total drying time	For this product to get touch-dry and harden, the painted equipment must be operated until the surface reaches 230°C, for at least 2 hours.
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### 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

- ✓ 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>
- ✓ 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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