

TECHNICAL INFORMATION

BECC BE 500

Oven-baked Enamel

507-15500-000



DESCRIPTION

BECC BE 500 is a coating line developed for industrial painting of furniture and metallic parts. They are formulated from alkyd-melamine resins and provide an oven-cured coatings of high hardness, great color stability and good weather resistance, either in glossy, satin, or matte finishes.

USE

BECC BE 500 is used on metal furniture or other metal elements in industrial oven-cured painting processes. It is also used on surfaces with phosphatizing treatment. For a better finish, it should be applied over a primer, the BAKING BASE.

Product Line Industrial/Professional Line

CHARACTERISTICS

SPECIAL PROPERTIES

Hiding Power	●	●	●	●	○
Weather Resistance	●	●	●	●	○

PHYSICAL PROPERTIES

DATOS

Volume Solids (%)	54 - 57
Weight Solids (%)	63 - 67
Weight per Gallon (kg/gal)	4.40 - 4.60
Stormer Krebs Viscosity (Ku)	80 - 88
Theoretical Yield (m ² /gallon)	81 @ 1 mil
Hegman Fineness	7.0 - 7.5
Performance Temperature (°C)	From -20 thru 120

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 were measured in White color.

(*): To ask for different gloss levels, contact out Technical Service

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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CONTAINERS

AVAILABLE CONTAINERS

1 gallon metal can

5 gallon bucket

AVAILABLE COLORS

Available also in special colors (ask our Technical Service, as indicated below)

SURFACE PREPARATION

CONDITION

INSTRUCTION

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

Poorly adhered paint: Remove loose or peeling old paint film with the appropriate tools.

Iron: Wash with tap water and liquid detergent, rinse with enough water to remove all detergent and let dry thoroughly

PRODUCT PREPARATION

COMPONENT

MIXTURE RATIO

MIXING INSTRUCTIONS

Product: 507-15500-000, BECC BE 500 **100%** Stir well before use, then add diluent.

Diluent: 510-00457-900, DILUYENTE 457 **10%** Viscosity: 40s (Cup Zahn #2).
Start with a 10% diluent volume

PRODUCT APPLICATION

APPLICATION TOOL

Spray gun: (suction or gravity feed)

Application condition

Do not apply on hot surfaces or directly exposed to sunrays, paint will evaporate too soon and this will affect leveling, adhesion and durability.

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Don't paint when humidity is over 85%, or in a rainy day.

Number and Thickness of Coats

Number of coats	2 or more
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Drying Times

Drying times are based on normal application conditions, temperature, film thickness and dilution. When any of these factors undergo any change, specific measures must be taken.

Application Instructions

Curing time: 20 minutes.

Standard baking: 140°C PMT for 20 minutes.

Alternative baking: 130°C PMT for 40 minutes, or

150 °C PMT for 15 minutes.

PMT= Peak metal temperature

OBSERVATIONS

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
Keep out of reach of children.
Container must be kept tightly closed in a ventilated place, between 20 and 30°C to avoid loss of its properties.
- ✓ If you'll use more than one container, mix them in advance to correct any color differences.
Do not wash a painted surface with abrasive detergents, it is better to use liquid detergent with enough water and a soft sponge.

HEALTH

- ✓ This a professional/industrial product and it should be applied by properly trained personnel, wearing 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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