TECHNICAL INFORMATION

BECCACRYL ENAMEL HI-BUILD

521-83053-000

DESCRIPTION

BECCACRYL ENAMEL HI-BUILD is a modified-acrylic coating that can be applied direct-to-metal (DTM) and whose highly efficient antirust pigments turn it into a hi-level anticorrosive. It's self-priming, so has an outstanding performance as a primer and finish at the same time. Excellent performance in mild to moderately corrosive environments. Cures at room temperature and has very good color retention.

USE

BECCACRYL ENAMEL HI-BUILD is designed to be used as an anti-corrosive primer and finish in iron or galvanized steel surfaces, thus allowing for easier, fast and lower costs jobs on metallic structures. Used to protect general structures and for repairing and maintenance of containers.

Structure	Metallic Structures, Structural elements (column, trusses, etc.). Tank exterior walls
Exterior/Interior	Indoors, Outdoors
Surface	Galvanized Steel, Iron, enamel roof sheets
Product line	Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Single part	
Finish	Satin

PHYSICAL PROPERTY	DATA
Volume Solids (%)	46 - 48
Weight solids (%)	63 - 65
Weight per Gallon (kg/gal)	5.10 – 5.40
Stormer Krebs Viscosity (Ku)	90 – 105
Theoretical Yield (m²/Gallon)	69 - 72 m² @ 1 mil
Maximum Service Temperature (°C)	70
Shelf Life	24 months
Recommended Dry Film Thickness	2.5 - 5.0 mils
VOC (grams/liter)	410 - 425

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 COLORS

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AVAILABLE PRESENTATIONS
1 gallon metal can (3.785 lt)
5 gallon bucket (18.925 lt)

RAL color chart

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 SUR Degreaser 330-900.
Mechanical cleaning	Use hand or power tools to clean surface up to a SSPC (Standard Steel Structures Painting Council) SP2 or SP3 Cleaning Standard.
Abrasive blast Cleaning	Clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 or SP10 cleaning standard.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 521-83053-000, BECCACRYL ENAMEL HI-BUILD	**100%**	Stir well before use.
Diluent: 510-80001-900, BECC DILUYENTE ESPECIAL	**max. 25%**	Use this mixing ratio for: Hand appication or Airless
Diluent: 510-80001-900, BECC DILUYENTE ESPECIAL	**40 - 50%**	Use this mixing ratio for Conventional Airgun or HVLP

Shake until thoroughly mixed.

PRODUCT APPLICATION

IT CAN BE APPLIED WITH


Airless spray


Brush


Roller


Spray gun (gravity or suction feed)

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Airless spray application	
Nozzle size	0.33 - 0.40 mm
Fan Angle	50°
Dry Coat Thickness	2.0 mils
Wet Film Thickness	4.3 mils
Line Pressure	110-140 BAR

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

Application conditions	
Surface Temperature	5°C - 40°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	15 min
Recoat time	1 h - Unlimited
Curing Time (days)	1

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, check our website https://www.gruposur.com/asistencia/
- ✔ 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 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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