

521-86087-000

DESCRIPTION

EPOBECC H.S. 100 is a high-performance two-part epoxy finish, 100% volume solids, specially formulated for direct contact or immersion in drinking or salt water, also, it can be used to be in contact with some types of hydrocarbons. It has excellent adhesion, is odorless and tasteless once cured, does not encourage bacteria growth. Raw materials used to manufacture this product are listed in FDA regulation 21CFR-175.300.

USE

EPOBECC H.S. 100 is ideal to coat inner concrete or metallic walls of drinking or seawater storage tanks, as well as buried structures or meant to be in direct contact with food.

Structure Buried Pipes, Buried Structures, internal drinking water tanks, Floors, Interior Piping Walls, Metallic Structures, Oil tanks, Structural elements (column, trusses, etc.), Wastewater tanks

Exterior/Interior Indoors

Surface Steel, concrete

Product line Professional/industrial Line

CHARACTERISTICS

ASSESSMENT

Finish	Satin
Excellent Adherence	
High Yield	
Excellent performance on Immersion	

PHYSICAL PROPERTY

DATA

Volume Solids (%)	99 - 100
Pot life @ 20°C	1 hour
Weight solids (%)	100
Weight per Gallon (kg/Gl)	4.95 – 5.20
Brookfield Viscosity RFV (cPs)	26.000 to 30.000
Theoretical Yield (m ² /Gallon)	150m ² @ 1 mil
Shelf Life	Components A and B: 24 months.
Maximum Service Temperature (°C)	120
Recommended Dry Film Thickness	5 - 15 mils
VOC (grams/liter)	< 10

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.

TECHNICAL INFORMATION

EPOBECC H.S. 100



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Definition of theoretical yield: Maximum surface that a paint can cover 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

521-86087-000, 2,8 Lt. (in 1-gallon container for an easier catalysis)

521-86051-999, 1/4 gallon metal container.

AVAILABLE COLORS

White, Gray

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface Preparation	Surface should be rust free, 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).
Surface Preparation	Surface should have an adequate anchor profile (20% of the total thickness of paint system).
Recommended Cleaning	Surface should be prepared to a SSPC-SP10 Cleaning Standard.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86087-000 - EPOBECC H.S. 100	3 Parts	Stir each component until completely homogeneous.
Component B: 521-86087-999 - EPOBECC HS 100 COMPONENT B	1 Parte	Mix Component A and B as indicated, and finally add diluent.
Diluent: 510-80003-900 - DILUYENTE EPÓXICO	BECCPOXY max. 5%	

INDUCTION TIME: Does not require.

PRODUCT APPLICATION

IT CAN BE APPLIED WITH



Airless spray



Brush



Spray gun (gravity or suction feed)

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Airless spray application

Nozzle size.	0.63 - 0.78 mm
Fan Angle	60°
Wet Film Thickness	5.37 mils
Line Pressure	160 - 210 BAR

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

Application conditions

Room Temperature	10°C - 40°C
Relative Humidity	10% - 85%
Surface Temperature	5°C - 35°C

Surface temperature should be at least 5°F over dew point.

Number of layers and thickness

Dry Coat Thickness	5 mils
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Drying times

Dry-to-Touch Time	6 h
Recoat time	6 - 18 h
Curing Time (days)	7 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.

OBSERVATIONS

- ✓ If you need more information, check our website <http://www.gruposur.com/asistencia>
- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.

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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