

TECHNICAL INFORMATION

EPOBECC EPOXY TANKGUARD



521-86171-000

DESCRIPTION

Tankguard EPOBECC EPOXY is an epoxy-amine two-pack industrial coating. Applied as a system protects efficiently against fumes, vapors and spills of diluted acids. It has high resistance to chemical products and refined oils, as gasoline and diesel. It has excellent adhesion, high performance, odorless and insipid once cured, it does not promote the growth of bacteria.

USE

EPOBECC EPOXY TANKGUARD is ideal for coating inner walls of storage tanks of refinery products, such as gasoline, diesel and bunker. Does not react with these products, does not discolor the coating nor generate abnormal colorations in stored products.

Structure	Buried Pipes, Floors, Oil tanks, Structural elements (column, trusses, etc.), Wastewater tanks
Exterior/Interior	Indoor, Roofed Exterior walls
Surface	Fiberglass, Iron
Product line	Professional/industrial Line

CHARACTERISTICS

ASSESSMENT

Finish	Glossy
Excellent Adherence	
High Chemical Resistance	
High Yield	
High Gloss	
Excellent performance under Immersion	

PHYSICAL PROPERTY

DATA

Volume Solids (%)	79-81
Weight solids (%)	81-83
Weight per Gallon (kg/Gl)	6.8 - 7.00
Brookfield Viscosity RFV (cPs)	22.000 - 30.000

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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Theoretical Yield (m ² /Gallon)	120 m ² @ 1 mil
Salt Spray – ASTM B117	2500 hours
Maximum Service Temperature (°C)	120
Pot life	2 h at 20°C.
Shelf Life	Component A: 24 months Component B: 12 months
Recommended Dry Film Thickness	5 – 20 mil
Pencil Hardness (ASTM D3363)	6H – H
Impact resistance ASTM D-2794 (lb-inch)	30 PSI
ASTM-D968 Sand Abrasion Resistance (lt/mil)	97.43
Pull Off Strength (ASTM -D-4541)	750 PSI
Taber Abraser Test (ASTM D-4060-95) 1 Kg, 1000 cicle CS-10	70.55
VOC (grams/liter)	167

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

521-86171-000, 1 gallon can= 3.785 Liter

521-86171-999, ¼ gallon can = 0.946 Liter

AVAILABLE COLORS

White and Grey

SURFACE PREPARATION

CONDITION	INSTRUCTION
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 be free of rust, grease, dust or any other contaminant that can affect the coating adherence or performance.
Abrasive blast Cleaning	Clean with abrasive blast to get a SSPC (Standard Steel Structures Painting Council) SP5 o SP10 cleaning standard.

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Metal:	Since it's a self-priming product, it can be applied direct to metal.
Primer	Use the same product as primer and tie-coat, with 5 mil thickness per coat (to tell apart each coat, these can be of different colors: grey and white).
Surface Preparation	Surface should have an adequate anchor profile (15 to 25% of the paint system total thickness)

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86171-000, EPOBECC EPOXY TANKGUARD	2 Parts	Stir each component until completely homogeneous,
Component B: 521-86171-999, EPOBECC TANKGUARD COMPONENT B	1 Part	Mix Component A and B as directed, then add the diluent.
Diluent: 510-80003-900 - BECCPOXY DILUYENTE EPÓXICO	max. 25%	

INDUCTION TIME : Does not require

PRODUCT APPLICATION

IT CAN BE APPLIED WITH



Airless spray



Spray gun (gravity or suction feed)

Tools

Apply with a brush just for touch-ups.

Airless spray application

Nozzle size.	0.48 to 0.63 mm
Fan Angle	60°
Dry Coat Thickness	5.0 mils
Wet Film Thickness	6,25 mils

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Line Pressure	140-180 BAR
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These are reference values. Professional users can slightly adjust some value as indicated by field conditions.

Application conditions

Surface Temperature	5°C – 35°C
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Room Temperature	10°C – 40°C
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Relative Humidity	10% – 85%
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Surface temperature should be at least 3°C over dew point.

Drying times

Dry-to-Touch Time	3 – 4 hours
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Recoat time	5 – 12 hours
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Curing Time (days)	7 days
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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.

Note: If time to recoat has ended, sand the surface to create a new anchor profile, before applying next coatings.

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.

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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