

# TECHNICAL INFORMATION

## EPOBECC EPOXY TAR H.S

521-88081-700



### DESCRIPTION

EPOBECC EPOXY TAR H.S. is a high-solids, coal tar (bituminous type) solvent epoxy, two-pack coating that meets SSPC #16. Cure by chemical reaction, so it has high resistance to abrasion and to constant immersion in fresh or salt water. It also has high yield and excellent adhesion. Meets Master Painters Institute MPI #35 (Bituminous Coating Tar).

### USE

EPOBECC TAR H.S. is ideal for protecting submerged or buried structures, such as internal walls of hydroelectric plant pipes, floating tank roofs or sewage pipes. Not recommended for coating containers of water for human consumption.

**STRUCTURE** Structural elements (columns, trusses, etc.), Vessels, Metal Structure, Piping Interior, Walls, Fascia boards, Buried Surfaces, Wastewater Tanks, Buried Piping.

**Indoor/Outdoor** Interior, covered exteriors.

**SURFACE** Carbon Steel, Galvanized Steel, Aluminum, Copper, Bare Concrete, Fiberglass

**Line** Industrial/Professional Line

### PROPERTIES

#### SPECIAL PROPERTIES

**Primer required**

**High Performance**

**Excellent performance  
immersed and in splash  
zone**

#### PHYSICAL PROPERTIES

#### DATA

Volume Solids (%)	85 – 87
Weight Solids (%)	88 – 91
Weight per gallon (kg/gal)	COMPONENT A: 4.4 – 4.8
Pot life @ 20°C:	1.5 – 3.0 hours
Theoretical yield (m <sup>2</sup> /gallon)	129 m <sup>2</sup> at 1 mil

These technical data were calculated under controlled laboratory conditions, but SUR QUÍMICA 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 QUÍMICA has made reasonable efforts to ensure the accuracy of the information provided herein, but assumes no liability for any errors, omissions or inaccuracies thereof. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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Max Performance Temperature (°C)	120
Brookfield Viscosity (cPs)	300 000 – 385 000
Shelf life	Component A: 24 months Component B: 24 months.
Recommended Dry Thickness	2 – 16 mils
VOC (grams/liter)	2.82

Definition of theoretical yield: Maximum surface that can be coated with a paint in ideal conditions. Practical yield varies depending on type of surface, tool used, applicator experience, and other factors. 1 mil = one-thousandth of an inch (0.0254 mm).

### CONTAINERS

#### AVAILABLE CONTAINERS

521-88081-700, Component A= 1 gallon

521-88081-999, Component B= 1/4 gallon

521-88081-700, Component A= 3.74 gallon (canned in 5-gallon bucket for easy catalyzation)

521-88081-999, Component B= 1 gallon

#### AVAILABLE COLORS

Black

### SURFACE PREPARATION

#### CONDITION

#### INSTRUCTION

**Iron:**

Zinc-Tech Organic Primer 521-86053-720

**SURFACE PREPARATION:**

The surface to be painted must be free of rust, grease, dust, or any other contaminant that may affect its performance.

**NACE Standard**

Use NACE standard, SSPC (Steel Structure Painting Council), or our BECC Graphic Patterns Manual for steel surface preparation.

**Concrete or fiberglass:**

Epobecc H.B.Tie Coat 521-86061-720

**Primer:**

It should be applied on the appropriate primer for each surface:

**Direct to metal:**

If applied directly to the metal, at least prepare the surface up to SSPC-SP10 grade.

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**SURFACE PREPARATION:** It is recommended that the surface has the proper anchor profile (15 - 25% of the total paint system thickness)

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
COMPONENT A: 521-88081-700, EPOBECC TAR H.S.	<b>4 Parts</b>	
COMPONENT B: 521-88081-999, EPOBECC EPOXY TAR HS COMPONENT B	<b>1 Part</b>	Mix Components A and B as directed, wait for induction time, and apply:
Diluent: 510-80003-900 BECCPOXY DILUYENTE EPÓXICO	<b>30% Maximum</b>	

INDUCTION TIME: 20 min

### PRODUCT APPLICATION

#### APPLICATION TOOLS

BRUSH	Airless equipment	Conventional spray gun (gravity or suction)	Roller
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#### Application with airless equipment

Nozzle size	0.48 - 0.63 mm
Fan Angle	60°
Dry thickness per layer (mils)	16 mils
Wet thickness per coat	23 mils
Line pressure	140 - 180 BAR

These are reference values. The professional applicator may slightly adjust some value as indicated by field conditions.

#### Application conditions

Surface temperature:	5°C to 35°C
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Room temperature	10°C ~ 40°C
Relative Humidity:	10% - 85% (*) This product can be applied in humid conditions up to 95%, if there is monitoring and approval by our Technical Service at SUR Química S.A.

Surface temperature must be at least 3°C above dew point.

Drying time	
Touch-Dry	4 h
Drying time to repaint	6 - 24 h
Total cure in days	7 days

The mentioned drying times are under optimal conditions (between 22 - 28 °C temperature and 60 - 80% relative humidity). These times depend on temperature, humidity, paint film thickness and dilution.

### NOTICE:

- ✓ If this product is exposed to high humidity or condensation shortly after application, this could cause a matte finish or changes to its original coloration.
- ✓ If you need more information, please visit our website <https://www.gruposur.com/asistencia/>
- ✓ Store this product in its original container between 20°C and 30°C, in a dry, ventilated place, out of the reach of children.
- ✓ The container must remain closed to prevent loss of its properties.

### HEALTH

- ✓ The user of this product may need the appropriate Personal Protective Equipment, as described in the respective Safety Data Sheet (SDS), available on our website <http://www.gruposur.com>
- ✓ If you need to dispose of empty packages of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.

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