

# TECHNICAL INFORMATION

## EPOBECC TAR COAL EPOXY TAR



521-86082-700

### DESCRIPTION

EPOBECC TAR is a coal tar epoxy finish cured with polyamide. It has high resistance to marine and industrial environments, to abrasion and to constant immersion in fresh water (not for human consumption), complies with SSPC #16 standard. Cures by chemical reaction. Recommended for harsh industrial environments.

### USE

EPOBECC TAR is suitable to protect underwater structures or inner walls of buried pipe for hydroelectric plants, floating roof tanks, sewage pipes, etc.

**Structure** Ships, Buried Pipes, Buried Structures, Interior Pipe Walls, Structural elements (column, trusses, etc.), Wastewater tanks.

**Exterior/Interior** Indoor, Roofed Exterior walls

**Surface** Steel, Unplastered Concrete

**Product line** Professional/industrial Line

### CHARACTERISTICS

#### SPECIAL PROPERTIES

**Finish** Satin

**Excellent Adherence**

**Requires a previous primer**

**Excellent performance on Immersion**

#### PHYSICAL PROPERTY

#### DATA

Volume Solids (%)	87-88
Pot life @ 20°C.	4 h
Weight solids (%)	89-91
Weight per Gallon (kg/gal)	4.95 to 5.15
Brookfield Viscosity RFV (cPs)	280.000 to 325.000
Theoretical Yield (m <sup>2</sup> /Gallon)	128 m <sup>2</sup> @ 1 mil
Maximum Service Temperature (°C)	120
Salt Spray - ASTM B117	> 2500 h
Recommended Dry Film Thickness	5 - 16 mils
Pencil Hardness (ASTM D3363)	B - 3H
Solids on Dry Film (% per weight)	66 - 67
Impact resistance ASTM D2794 (lb-inch)	Complies

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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Pull Off Strength (ASTM D4541)	> 1000 PSI
Pigment Volume Concentration (PVC)	21
Resistance to salt-wet-warm environment	Excellent
Taber Abrasion test ASTM D4060, 1Kg (1000 cycle CS-10)	Complies
VOC (grams/liter)	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.

### PRESENTATION

#### AVAILABLE PRESENTATIONS

**Component A**, 521-86072-700: 1 gallon can (3.785 Lt.)

521-86082-700: 4 gallon (15.14 Lt.) in 5 gallon can to facilitate catalyzing.

**Component B**, 521-86082-999: ¼ gallon can (0.946 Lt.)

521-86082-999: 1 gallon can (3.785 Lt.)

#### AVAILABLE COLORS

Black

### SURFACE PREPARATION

CONDITION	INSTRUCTION
<b>NACE Standard</b>	Use NACE o SSPC (Steel Structure Painting Council) standard, or our own " <i>Manual de Patrones Gráficos BECC para la preparación de superficies de acero</i> " (BECC Graphic patterns for Steel surface preparation).
<b>Surface Preparation</b>	Surface should be free of rust, grease, dust or any other contaminant that can affect the coating adherence or performance.
<b>Primer:</b>	Apply over the adequate primer for each surface.
<b>Steel</b>	Zinc -Tec Organic Primer H.S (521-86057-720). Zinc -Tec Inorganic Primer HS (521-85051-720).
<b>Concrete or Fiberglass</b>	Epobecc H.B.Tie Coat 521-86061-720

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-86082-700, EPOBECC TAR	<b>4 Parts</b>	Stir each component until completely homogeneous, then mix both components in the

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indicated proportions, wait for induction time, then add diluent:

Component B: 521-86082-999, EPOBECC TAR **1 Part**  
COMPONENT B

Mix Component A and B as indicated, wait for the induction time and finally add the diluent.

Diluent: 510-80003-900, BECCPOXY EPOXY **max. 30%**  
DILUENT

INDUCTION TIME : Does not require

### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH



Airless spray



Brush



Roller



Spray gun (gravity or suction feed)

#### Airless spray application

Nozzle size	0.48 to 0.63 mm
Fan Angle	60°
Dry Coat Thickness	16 mils
Wet Film Thickness	18 mils
Line Pressure	140-180 BAR

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

#### Application conditions

Surface Temperature	5°C - 35°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	4 h
Recoat time	8-24 h

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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, one of our technicians will assist you. Call 800-SUR-2000 or email us at [customerservice@gruposur.com](mailto:customerservice@gruposur.com)
- ✓ 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

- ✓ The user of this product may need the 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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