TECHNICAL INFORMATION

EPOBECC TAR FREE

521-88087-700

DESCRIPTION

EPOBECC TAR FREE is an epoxy coating, coal tar-free, specially formulated for application in high thicknesses. It has high waterproofing power, good abrasion resistance, high adhesion and low VOCs. NOT to be used in containers of water for human consumption.

USE

EPOBECC TAR-FREE is suitable to protect underwater or buried structures, submerged pipelines, ballast, sewage, or non-drinking water tanks. High thickness application recommended.

Structure	Buried Pipes, Buried Structures, Internal Pipe Walls, Ships, Wastewater tanks
Exterior/Interior	Indoor, Outdoor
Surface	Fiberglass, Steel, Unplastered Concrete
Product line	Professional/industrial Line

CHARACTERISTICS

ASSESSMENT

Finish	Satin
Excellent Adherence	
Requires a previous primer	
High Yield	
Excellent performance on Immersion or splash areas	

PHYSICAL PROPERTY	DATA
Volume Solids (%)	84
Specific Density	2.00 to 2.04
Pot life @ 20 °C.	3 hours
Weight solids (%)	94

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Weight per Gallon (kg/Gl)	7.65
Brookfield Viscosity RFV (cPs)	70,000 - 73,000 Component A
Theoretical Yield (m²/Gallon)	126 m² @ 1 mil
Maximum Service Temperature (°C)	120
Shelf Life	Component A: 24 months Component B: 24 months
Recommended Dry Film Thickness	10-20 mils
VOC (grams/liter)	131

Definition of theoretical yield: Maximum surface a paint can cover under ideal conditions. The practical performance varies depending on type of surface, used tools, applicator experience and other factors. 1 mil = 0.0254 mm.

PRESENTATION

AVAILABLE PRESENTATIONS
Component A: 521-88087-700, ¾ gallon (2.84 Lt. in 1-gallon can for easier catalysis).
Component B: 521-88087-999, ¼ gallon can
Component A: 521-88087-700, 3.75 gallon (14.2 Lt. in 5-gallon container for easier catalysis)
Component B: 521-88087-999, 1 gallon can

AVAILABLE COLORS
Black

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.

TECHNICAL INFORMATION

EPOBECC TAR FREE

521-88087-700

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).
Primer:	Apply over the proper primer for each surface.
Concrete or Fiberglass	Epobecc H.B.Tie Coat 521-86061-720
On Iron:	Zinc -Tec Organic Primer H.S (521-86053-720) Zinc -Tec Inorganic Primer HS (521-85051-720) ZINC TECH AQUA SILICATE PRIMER (521-85053-720) EPOBECC BOND EPOXY SELF PRIMING (521-86072-307
Surface Preparation	Surface should have an adequate anchor pattern (15 - 25% of the total thickness of paint system)
Direct to Metal	When applied direct to metal, surface must be prepared to a SSPC-SP10 Cleaning Standard.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Component A: 521-88087-700 - EPOBECC TAR FREE	**3 Parts**	Stir each component until completely homogeneous.
Component B: 521-88087-999 - EPOBECC TAR FREE COMPONENT B	**1 Part**	Mix Component A and B as indicated, wait for the induction time and finally add the diluent.
Diluent: 510-80003-900 - BECCPOXY DILUYENTE EPÓXICO	**max 20%**	

INDUCTION TIME : 20 min

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Airless spray	Brush	Roller	Spray gun (gravity or suction feed)

TECHNICAL INFORMATION

EPOBECC TAR FREE

521-88087-700

Airless spray application	
Nozzle size	0.48 to 0.63 mm
Fan Angle	60°
Dry Coat Thickness	16 mils
Wet Film Thickness	21.6 mils
Line Pressure	160-190 BAR
These are references values. It may be necessary to vary output pressure or nozzle size to get better results.	
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	
Tack-Free time	4 h
Dry-to-Touch Time	8 h
Recoat time	8-24 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

- ✓ Due to the manufacturing processes, this product can present a slight color variation between different batches.
- ✓ 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.

Notes