

TECHNICAL INFORMATION

EPOBECC AQ TIE COAT

Water-Base Tie Coat

521-87061-720



DESCRIPTION

EPOBECC AQ TIE COAT is a water-based epoxy two-part coating, ideal as a tie coat between primer and finish. Due to its excellent adhesion, its ideal for increasing thicknesses in coating systems. Environmentally friendly and low smell.

USE

EPOBECC AQ TIE COAT serves as an intermediate layer in epoxy type coating systems. It can be used as a primer for substrates that do not require corrosion protection, such as aluminum, concrete, fiberglass or galvanized etc.

Structure Structural elements (columns, trusses, etc.), Metal structures, tank outer walls, Aerial piping, fences, meshes and gates.

Exterior/Interior Indoor, Outdoor

Surface Steel

Product line Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish Matte
Excellent Adherence

PHYSICAL PROPERTY

DATA

Volume Solids (%)	44 - 48
Pot life @ 20°C.	8 hours
Weight solids (%)	60 - 64
Weight per Gallon, Component A (kg/gal)	5.1 – 5.2
Pot Life @ 20°C	8 hours
Stormer Krebs Viscosity (KU), Component A	100 - 110
Recommended dry film thickness	2 – 3 mils
Theoretical Yield (m ² /Gallon)	69m ² @ 1 mil
Salt Spray Resistance (ASTM B-117) in hours	3500 (as part of a coating system)
Shelf Life	Component A: 24 months Component B: 24 months
Tape Adhesion (ASTM D-3359)	4B
VOC (grams/liter)	< 5

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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Definition of theoretical yield: Maximum surface that can be covered 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.

CONTAINERS

AVAILABLE CONTAINERS

Component A, 521-97055-307: 3.22 Lt. (0.85 Gal.) in a 1-gallon container for an easier catalyzation.

Part B, 521-87055-999: 0.526 Lt (0.14 Gal.) in a ¼ gallon container for an easier catalyzation.

AVAILABLE COLORS

Red 307

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.

Concrete

Surface should be free of old paint and loose plaster, completely dry and free of grease, oil or other chemicals. On brushed concrete, a suitable anchor profile should be created by chemical or mechanical means.

Adequate Primers

It should be applied over the adequate primer for every substrate, as follows:
On steel:
Aquabecc Epoxy Primer 521-87055-307
Zinc-Tech Aqua Primer 521-87054-720
Zinc-Tech Inorganic Primer HS 521-85051-720
Zinc Tech Aqua Silicate Primer 521-85053-720.

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

Component A: 521-87061-720: EPOBECC AQ TIE COAT

6 Parts

Stir each component until fully homogeneous

COMPONENT B: 521-87074-999, EPOBECC AQ TOP COAT, Part B

1 Part

Mix both Components A and B, wait for the induction time and apply

Diluent: Clean Water

10% max

Stir until product is completely homogeneous.

INDUCTION TIME: 20 minutes

PRODUCT APPLICATION

IT CAN BE APPLIED WITH



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Airless spray
Brush
Roller

Spray gun (gravity or
suction feed)

Airless spray application

Nozzle size	0,38 mm (0,015") - 0,43 mm (0,017")
Fan Angle	60° - 80°
Dry Coat Thickness	2.5 mils
Wet Film Thickness	5.4 mils
Line Pressure	2500 psi

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

Application conditions

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

Surface temperature should be at least 3°C (5°F) over dew point.

Drying times

Dry-to-Touch Time	3 hours
Recoat time	6 – 24 hours
Total curing time	7 days

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% ambient humidity). These times are dependent on temperature, moisture, film thickness and dilution.

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OBSERVATIONS

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ 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

- ✓ 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.
- ✓ This product is for professional/industrial use only and must be applied by trained personnel, using the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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