

TECHNICAL INFORMATION

BECCTHANE AQ TOP COAT

Polyurethane Water-Base Top Coat

521-87075-000



DESCRIPTION

BECCTHANE AQ TOP COAT is a two-part water-based polyurethane coating with excellent leveling and appearance. It also has a high gloss finish, which allows for an easier cleaning. Ideal for use in environments where low-odor and environmentally friendly products are required. Cures by chemical reaction, has excellent hardness, adhesion, chemical and weather resistance.

USE

BECCTHANE AQ TOP COAT is especially recommended in places with strict environmental standards; it can be used in structures, industrial machinery and any metal surface whose coating should stand weathering.

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

Exterior/Interior Indoor, Outdoor

Surface Carbon Steel

Product line Professional/industrial Line

CHARACTERISTICS

SPECIAL PROPERTIES

Finish Glossy

To be applied over a primer
Without strong odors

PHYSICAL PROPERTY	DATA
Volume Solids (%)	50 - 54
Pot life @ 20°C.	4 hours
Weight solids (%)	63 - 67
Weight per Gallon, Component A (kg/gal)	5.2 – 5.3
Pot Life @ 20°C	8 hours
Stormer Krebs Viscosity (KU), Component A	95 - 110
Recommended dry film thickness	1.5 – 2.0 mils
Theoretical Yield (m ² /gallon)	78m ² @ 1 mil
Salt Spray Resistance (ASTM B-117) in hours	2500 (as a part of a coating system)
Shelf Life	Component A: 12 months Component B: 12 months
VOC (grams/liter)	54

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.



Version 2.0 of: Sep
2021 3:46PM



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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.
Values measured in White color.

CONTAINERS

AVAILABLE CONTAINERS

Component A, 521-87075-000: 5.25 kg in a 1 gallon container for an easier catalyzation.

Component B, 521-87075-999: 0.890 kg in a ¼ gallon container

AVAILABLE COLORS

RAL chart colors

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.

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).

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: 521-87075-000 BECCTHANE AQ TOP COAT

4.5 Parts

Stir each component until fully homogeneous

COMPONENT B: 521-87075-999 BECCTHANE AQ TOP COAT, COMPONENT B

1 Part

Mix both Components A and B, then add diluents

Diluent: 510-80010-900, BECCTHANE AQ THINNER

10% max

Stir until product is completely homogeneous.
NO INDUCTION TIME

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

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2021 3:46PM



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Airless
Brush
Roller



Spray gun (Gravity or
suction feed)

Airless Application

Nozzle size	0.38 mm (0.015") - 0.43 mm (0.017")
Fan Angle	60° - 80°
Dry layer thickness	1.5 mils
Wet layer thickness	2.88 mils
Line pressure	2500 psi

These are reference values. The professional applicator can adjust them slightly, to compensate for field conditions.

Care should be taken to avoid irregularities or bubbles in the paint film.

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	4 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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