BECCTHANE AQ TOP COAT

Polyurethane Water-Base Top Coat





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.

Product line	Professional/industrial Line	
Surface	Carbon Steel	
Exterior/Interior	Indoor, Outdoor	
Structure	Structural elements (columns, trusses, etc.), Metal structures, tank outer walls, Aerial piping, fences, meshes and gates.	

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 (m²/gallon)	78m² @ 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















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Component B, 521-87075-999: 0.890 kg in a 1/4 gallon



container



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	AVAILABLE COLORS
Component A, 521-87075-000: 5.25 kg in a 1 gallon container for an easier catalyzation.	RAL chart colors
container for all eacier eataly Eatiern	

SURFACE PREPARATION	N .
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 diluenty
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











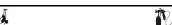




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Airless Spray gun (Gravity or Brush suction feed)

Roller



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













