

DESCRIPTION

BECC TOP FINISH AQ is a water-based elastomeric paint that, thanks to its formula based on specially modified polymers, provides excellent elasticity (up to 350%, according to ASTM D638M).

It has high anti-fungal power, is alkali resistant and has very good adhesion. This product acts as a finish within the water-based system of the intumescent (521-87062-000).

USE

Can be applied indoors and outdoors, on carbon steel or galvanized surfaces. This product is part of the intumescent water base system (521-87077-000).

Structure	Walls, Structural elements (column, trusses, etc.)
Exterior/Interior	Indoor, Outdoor, Roofed Exterior walls
Surface	Steel

PROPERTIES**SPECIAL PROPERTIES**

Finish	Satin				
Washability (cycles)	> 5000				
Requires a primer					
Hiding Power	●	●	●	●	●
Weather Resistance	●	●	●	●	●
Anti-fungal	●	●	●	●	●

PHYSICAL PROPERTY	DATA
Weight solids (%)	56 – 58
Weight per Gallon (kg/gal)	4.9 – 5.1
Volume Solids (%)	43 – 45
Stormer Krebs Viscosity (Ku)	100 – 110
Theoretical Yield (m ² /Gallon)	66 (1 mil thickness)

Definition of theoretical yield: Maximum surface that can be covered with a painting under ideal conditions. Practical yield varies depending on type of surface, tools used, applicator experience and other factors. 1 mil = 0.0254 mm.

The data on this technical sheet are from white paint, with minimal variation in other colors. When inking a base, there may be a slight change in the values, especially in the percentage of VOC.

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over the conditions, tools, the skills of the applicator, or over the selection, preparation or compatibility of the products used; therefore, can only guarantee this product's 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.

TECHNICAL INFORMATION

BECC TOP FINISH AQ

521-87077-000



In some intense colors, this paint's yield may vary, as it increases the number of coats to be applied.

Note: Scale is 1 to 5, where 5 is the best value.

CONTAINERS

AVAILABLE CONTAINERS

1 gal metal can (3.785 lt)

5-Gallon plastic bucket (18.925 lt)

AVAILABLE COLORS

White 000

SURFACE PREPARATION

CONDITION

INSTRUCTION

Surface Cleaning

Before applying, remove any dirt, such as dust, grease or other contaminant, as it will affect the adhesion or performance of the finish. Remove poorly adhered old paint with hand or power tools and smooth-out any rough areas or raised spots where old paint was removed.

Primer for Carbon Steel (Black Iron) EPOBECC AQ PRIMER 521-87055-307.

Tie-coat

BECC INTUMESCENT PAINT AQ 521-87062-000

PRODUCT PREPARATION

COMPONENT

MIXING RATIO

MIXING INSTRUCTIONS

Product: 521-87077-000, BECC TOP FINISH AQ

100%

Shake well before use:

Diluent Water

10 - 15%

PRODUCT APPLICATION

APPLICATION TOOLS:

Airless spray

Brush

Roller

Spray gun (gravity or suction feed)

Brushing

Check that the brush is in good condition and do not detach bristles.

Use natural or synthetic bristles.

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Roller application

Felt can be microfiber or drip proof.

Smooth surface: 3/8" or 1/2" felt.

Rough surface: 3/4" felt.

Air spray application

Nozzle size	1.3 mm.
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Pressure	35 psi
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Airless application

Nozzle size	0.38 mm (0.015 in) to 0.43 mm (0.017 in)
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Pressure	1500 psi
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Application conditions

Relative Humidity	10 % – 80 %
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Room Temperature	10°C ~ 40°C
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Surface Temperature	5°C to 35°C
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Never apply to surfaces that are at high temperature or directly exposed to solar radiation, as volatile paint components will evaporate very quickly, impairing adhesion and durability.

Do not apply this product when relative humidity exceeds 85%, with rain or with certain threat that it will rain in a short time, as it would alter some characteristics of the application or the product's performance.

Number of layers and thickness

Recommended final thickness	2 mils
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Drying times

Touch-Dry Time	30 minutes
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Time to recoat	24 hours
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Full product performance.	5 to 7 days after application
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Drying times listed are under ideal conditions (between 22 – 28°C temperature and 60 – 80% relative humidity). These times are dependent on temperature, moisture, film thickness and dilution.

Application Instructions

Before starting with the application of the intumescent paint, as well as for the first and second layer, verify that the environmental conditions are within the parameters established in the Application conditions section of this product's Technical Data Sheet.

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- ✓ The environmental conditions of the tests listed are performed in the laboratory, so that they are controlled. Strong variations of them in the field, can cause typical blistering failures.
- ✓ Apply 24 hours after the last coat of intumescent paint 87062-000 (BECC INTUMESCENT PAINT AQ). Do not apply this product when relative humidity exceeds 80%, with rain or with certain threat that it will rain in a short time, as it would alter some characteristics of the application or the product's performance.

Never paint surfaces that are very hot or directly exposed to the sun, the paint will evaporate very quickly and that will damage its adhesion and durability.

NOTICE

- ✓ Keep container tightly closed in pallets, in a ventilated place indoors, between 20 and 30°C, out of reach of children.
- ✓ If you are using more than one container, it is preferable to mix them earlier.
- ✓ Do not wash a painted surface with abrasive detergents, liquid detergent with plenty of water and soft sponge is best.
- ✓ If you need more information, one of our technicians will assist you.
check our website <https://www.gruposur.com/asistencia/>

HEALTH

- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <https://www.gruposur.com>

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