

DESCRIPTION

BECCTHANE MIO COAT is a single-part coating resistant to constant immersion and low temperatures (-5°C). It has excellent adhesion, quick drying and provides anticorrosive barrier protection. Because it is innocuous, it can be in contact with food. Its polyurethane resins based formula cure with ambient moisture.

USE

BECCTHANE MIO COAT can be used as a tie-coat on tanks, pipelines, maritime structures, bridges, and machinery. It can be repainted with any type of coating, such as epoxy, vinyl, or polyurethane. The previous use of a suitable primer is recommended. It can also be applied as a primer on concrete surfaces.

Structure	Structural elements (columns, trusses, etc.), Vessels, Tanks outer walls, Low temperature surfaces, Hydrocarbon tanks, Aerial or buried pipelines
Indoor/Outdoor	Protected Outdoor, Indoor
Surface	Carbon steel, unplastered concrete
Line	Industrial/Professional Line

PROPERTIES

SPECIAL PROPERTIES

Appearance	Matte
Requires a primer	
Single part	

PHYSICAL PROPERTIES	DATOS
Volume Solids (%)	60 – 64
Specific density	1.42 – 1.48
Weight solids (%)	74 – 76
Weight per gallon (kg/gal)	5.35

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.

TECHNICAL INFORMATION

BECCTHANE MIO COAT

521-81161-721



Stormer Krebs Viscosity (Ku)	85 – 100
Theoretical Yield (m ² /gallon)	93m ² @ 1 mil
Tape adhesion (ASTM D 3359)	3B – 5B
Max temperature performance (°C)	100
Shelf life	12 months*
Recommended dry thickness	1.5 – 3 mils
Pencil Hardness (ASTM D3363)	HB – 2B
Direct Impact ASTM 2794-93 (lb-in)	D>90 ; I>45
VOC (grams/liter)	320

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

(*) While stored in controlled conditions, under 24°C.

CONTAINERS AND COLORS

AVAILABLE CONTAINERS

1 gallon can (3.785 Lt.)

Grey

SURFACE PREPARATION

CONDITION	INSTRUCTION
Primer	Be sure the previous primer application is completely dry. Asegúrese de que el primario aplicado previamente esté completamente seco.
NACE Standard	Use NACE, 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).
Surface Preparation	Surface should be free of rust, grease, dust, or any other contaminant that can affect the coating adherence or performance.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
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Versión 6.0 del: Jan 1/2/2023
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Product: 521-81161-721, BECCTHANE MIO COAT	100%	Stir well before use. Add diluent and mix again.
Diluent: 510-80005-900, BECCTHANE MOISTURE CURE THINNER	max. 25%	

PRODUCT APPLICATION

APPLICATION TOOL

Brush	Airless equipment	Air spray (gravity or suction feed)	Roller
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Airless Application

Nozzle Size	0.43 - 0.50 mm
Fan Angle	60° - 80°
Dry film Thickness	1.5 mils
Wet Film Thickness	2.42 mils

These are reference values. It may be necessary to vary output pressure or nozzle size to get better results.

Line Pressure	130 - 150 Bar
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Application conditions

Ambient Moisture	10% - 99%
Room Temperature	-5°C to 40°C
Surface Temperature	-5°C to 35°C

DRYING TIMES

Touch-Dry	30 min
Time to recoat	6 h - open
Full drying time	18 hrs

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

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NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, to avoid loss of its properties.

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 store or our industrial compound in La Uruca, San Jose

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