

TECHNICAL INFORMATION

BECCTHANE ZINC MIO PRIMER

521-81151-720



DESCRIPTION

BECCTHANE ZINC/ MIO PRIMER is a zinc-rich anticorrosive primer, formulated from polyurethane resins with ambient-humidity curing zinc pigments. It has excellent adhesion, antirust protection, quick drying and can be applied at low temperatures (-5 °C). It is also resistant to constant immersion.

USE

BECCTHANE ZINC/ MIO PRIMER can be used as an antirust primer in tanks, pipes, marine structures, bridges, and machinery in mild to severe aggressively environments. It can be recoated with any type of coating, such as epoxy, vinyl or polyurethane.

Structure Structural elements (columns, trusses, etc.), Vessels, Metallic structure, Tank outer walls, Low temperature or buried surfaces, Hydrocarbon tanks, Aerial or Buried pipeline

Indoor/Outdoor Roofed Outdoors, Indoor

Surface Iron, carbon Steel

Line Línea Industrial/Profesional Industrial/Professional Line

PROPERTIES

SPECIAL PROPERTIES

Appearance Matte

Primer

Single-Part

Excellent galvanic protection

PHYSICAL PROPERTIES

DATA

Volume Solids (%) 66 - 68

Weight Solids (%) 88 - 91

Weight per gallon (kg/gal) 10.80

Stormer Krebs Viscosity (Ku) 85 - 95

Theoretical Yield (m²/gallon) 100m² @ 1 mil

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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Tape adhesion (ASTM D 3359)	4B – 5B
Max temperature performance (°C)	100
Shelf life	12 months*
Salt Spray Resistance (ASTM-B117) hours	1100 hours
Recommended dry thickness	1,5 – 3 mils
VOC (grams/liter)	315

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.)

AVAILABLE COLORS

Grey 720

SURFACE PREPARATION

CONDITION

INSTRUCTION

Surface preparation

Surfaces should be dry and free of grease, oil, dust, or any other contaminants, as they can affect the adhesion or performance of this product.

NACE Standards

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).

Metal Cleaning

New iron or steel surfaces should be previously cleaned with SUR's own Desengrasante SUR 330-900 degreaser.

Minimum cleaning

Using hand or power tools, clean the surface to a SSPC-SP2 or SP3 cleaning standard, as indicated by the Steel Structures Painting Council.

Recommended preparation

Optimal preparation is obtained cleaning with abrasive blast to a minimum degree of Commercial SSPC -SP5 - SP10

PRODUCT PREPARATION

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COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 521-81151-720, BECCTHANE ZINC MIO PRIMER	100%	Stir well before use, then add diluent and mix well.
Diluent: 510-80005-900, BECCTHANE MOISTURE CURE THINNER	max. 25%	

PRODUCT APPLICATION

APPLICATION TOOL

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

Airless Application

Nozzle Size	0.43 - 0.50 mm
Fan Angle	60° - 80°
Dry film Thickness	1.5 mils
Wet Film Thickness	2.30 mil
Line Pressure	130 - 150 Bar

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

Application conditions

Surface Temperature	-5°C - 40°C
Room Temperature	-5°C - 40°C
Relative Humidity	10% - 99%

DRYING TIMES

Touch-Dry	15 min
Time to recoat	2.5 hours - open
Full drying time (days)	1 day

Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% ambient

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humidity). These times are dependent on temperature, humidity, film thickness and dilution.

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

- ✓ 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
- ✓ 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>

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