

TECHNICAL INFORMATION

ZINC-TECH ORGANIC PRIMER

521-86053-720



DESCRIPTION

Organic zinc primer with properties similar to galvanizing. Due to its excellent corrosion protection and high chemical resistance, it is ideal for harsh environments. It is fast drying and complies with SSPC #20 standard.

USE

It can be used as a high-performance anticorrosive base on carbon steel surfaces, such as structures and walls of tanks and machinery. Recommended for harsh industrial environments and for surfaces that will remain under constant immersion. It can be coated with a wide variety of finishes.

Structure	Structural metallic elements (columns, trusses, etc.), ships, tank outer walls, pipe internals, buried surfaces, sewage tanks, aerial or buried piping.
Interior/Exterior	Outdoors, Indoors
Surface	Carbon Steel
Line	Industrial / Professional Line

CHARACTERISTICS

SPECIAL PROPERTIES

High adherence

Primer

Excellent Galvanic Protection

PHYSICAL PROPERTY	DATA
Volume solids (%)	57 – 59
Weight Solids (%)	86 – 88
Brookfield Viscosity (cPs)	30 000 – 60 000
Pot Life @ 20°C	8 hours
Tape adherence (ASTM D-3359)	4B - 5B
Theoretical yield (m ² /gallon)	87m ² @ 1 mil
Shelf life	Components A, B: 12 months
Adherence Pull-Off (ASTM D-4541-09)	1450 psi (9.99 mPa)
Salt Spray	800 hours
Abrasion resistance A.S.T.M. D 968	48,27 L/mil (1.9 um)
Maximum Performance Temperature (°C)	120°C
Weight per gallon (kg/gal)	12.10
Recommended dry film thickness	3 mils

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.



Versión 1.1 of Oct
14, 2021



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VOCs (grams/liter)	375
ASTM D-2794-93 Resistance to direct Impact	60 lb/in

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

PRESENTATION

AVAILABLE PRESENTATIONS

Component A, 521-86053-720: 1 gallon metallic container (3.785 Liter)

Component B, 521-86053-999: ¼ metallic container (0.946 Liter)

AVAILABLE COLORS

Grey

SURFACE PREPARATION

CONDITION	INSTRUCTION
Recommended Cleaning:	Abrasive blast cleaning to SSPC-SP5 or SP10 standard.
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".
Minimum cleaning	Using steel brush or rotary sander, clean the surface to SSPC-SP2 or SP3 standard, as indicated by the Steel Structures Painting Council
New Steel surfaces	On new steel or iron surfaces previously clean with Desengrasante SUR 330-900 Degreaser.
Surface Cleaning	Before applying, remove any dirt, such as dust, grease or other contaminants, as they can affect the adhesion or performance of the finish.

PRODUCT PREPARATION

COMPONENT	MIXING RATIOS	MIXING INSTRUCTIONS
Component A: 521-86053-720, ZINC TECH ORGANIC PRIMER	4 parts	Stir well before use:
Component B: 521-86053-999, ZINC TECH ORGANIC PRIMER, PART B	1 part	Mix both components as indicated, wait for the induction time and apply.
Diluent: 510-80003-900 BECCPOXY	25% maximum	

Induction Time: 20 minutes

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PRODUCT APPLICATION

It can be applied with

Brush Airless equipment Air Spray (suction or gravity feed)

Airless Application

Nozzle Size	0.43 mm (0.017") – 0.50 mm (0.020")
Fan Angle	60° - 80°
Dry film thickness per coat	3 mils
Wet film thickness per coat	5.2 mils
Line Pressure	180 BAR

These are reference values. Some value may be slightly adjusted by the professional applicator as field conditions dictate.

Application Conditions

Room Temperature	10°C - 40°C
Surface Temperature	5°C - 35°C
Relative humidity	10% - 85%

Surface temperature should be at least 3°C above dew point.

Drying times

Touch-dry time	1.5 hours
Dry to recoat time	4 - 24 hours
Total curing time	7 days

These drying times are under optimal conditions (between 22 - 28°C temperature and 60 - 80% relative humidity). These times depend on the temperature, humidity, thickness of the paint film and dilution.

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.

HEALTH

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- ✓ This is 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 Color paint store or our industrial compound in La Uruca, San Jose.

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