

TECHNICAL INFORMATION

SUR ENAMEL 100 SUR ESMALTE 100



501-00100-000

DESCRIPTION

ENAMEL 100 is a good quality and good performance finish. By using a low odor solvent, it allows newly painted environments being used much sooner. Does not contain toxic metals.

USE

This product can be applied in indoors and outdoors surfaces of metal, concrete, plasterboard, fibercement, wood and other surfaces. Each substrate should be properly prepared.

Structure Eaves, Exterior Walls, Doors, Structural elements (column, trusses, etc.)

Indoor/ Outdoor Indoor, Outdoor, Roofed Exterior walls

Surface Steel, bare, painted or plastered concrete, Drywall, Gypsum, Fibercement, brick.

Product line Arquitectural

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	Glossy				
Coverage	●	●	●	○	○
Weather resistance	●	●	●	○	○

PHYSICAL PROPERTY

DATA

Weight solids (%)	43 - 45
Weight per Gallon (kg/gal)	4.00 - 4.20
Volume Solids (%)	30 - 32
Stormer Krebs Viscosity (Ku)	89 - 93
Theoretical Yield (m ² /Gallon)	46m ² @ 1 mil

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.

Note: Values Measured for white color. 1 to 5 values, 5 being better.

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Version 1.1 of: Apr 6 4/6/2017
2017 10:48AM



TECHNICAL INFORMATION

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501-00100-000

PRESENTATION

AVAILABLE PRESENTATIONS

¼ gallon can (0.946 Lt.)

1 gallon can (3.785 Lt.)

5 gallon bucket (18.925 Lt.)

AVAILABLE COLORS

Available in every color of our SURMIX tinting system.

SURFACE PREPARATION

CONDITION

INSTRUCTION

Surface Cleaning

Before applying, remove any dirt, such as dust, grease or other contaminants, as this will affect the adhesion or performance of the finish.

Remove badly adhered paint with the appropriate tools, and smooth out irregularities (steps) left by old coat of paints.

Concrete

All new surfaces must be fully cured, usually about 30 days (setting time), dry and clean.

Apply a coat of White Sealant 522-000 and cover with this finish.

Gypsum board

Plaster the surface, sand and thoroughly clean residual dust with a clean microfiber cloth.

Apply 1 coat of White Sealant 522-000 (diluted with 20 to 25% water to improve surface infiltration, let dry and apply this finish.

Drywall and Fibercement

Dust thoroughly and apply a coat of White Sealant 522-000.

Apply this finish.

Wood

Repair old nail holes or hairline cracks with Wood Putty 800-***, sand and dust thoroughly, then apply a coat of UNIVERSAL SEALANT 530-000 and apply this finish.

New iron

Wash with clean water and liquid detergent, rinse thoroughly to remove detergent and allow to dry completely. Use Corrostop Red Minio 9000-351 as a primer.

Mildew

Apply Antifungal Solution 334-900, let on the surface for some 20 minutes. Rinse with enough clean water and scrub the area.

Where washing is not possible, apply NIT CLINICAL DISINFECTANT CLEANER 4 33260-600, scrub with a microfiber cloth, apply again and let dry on the surface.

After cleaning, be sure the surface is thoroughly dry before applying a coat of Sealant 522-000 and this finish.

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Micro cracks, fissures and cracks in masonry or concrete	Micro-fissures (0.1 mm a 0.5 mm): Coat with an elastomeric finish. Small Cracks (0.6 mm a 2 mm): Repair with PEGA-PATCH Elastomeric Putty 231-000 and coat with this finish. Cracks (2 mm a 20 mm): USE 550 CONCRET ETIBOND and immediately, "fresh on fresh", apply REPAIR MORTAR MR-520. Let the mortar cure and dry for at least 15 days before applying Sealant 522-000 and this finish. Important: For cracks wider than described, refer to the Virtual Assistant or request an assessment from our Technical Service.
Damp masonry or concrete walls	On surfaces that were repaired due to moisture problems, it's not advised to use plaster, satin or gloss finishes.
Mild Dusting	Apply a coat of Clear Sealant 501-910, let dry and paint. Note: Evaluate dusting problem to determine if the surface can be painted or other reparation is required.
Gloss or satin areas	Clean and degrease all surface. Apply a coat of Universal Sealant 524-000 to ensure the adherence of any paint, either water or solvent base. Then apply this finish.
Rust Iron or Steel	Surfaces with corrosion spots should be cleaned with steel brush or sandpaper to remove rust. Remove residual dust without any water. If certain areas cannot be prepared properly due to their difficult access, apply a coat of CORROSTOP RUST CONVERTER 375-013 by patching (only in rust spots). Leave on for 4 hours and then apply a coat of CORROSTOP TYPE MINIO RED II 9000-351 anticorrosive primer. Finally apply this finish.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 501-00100-000, SUR ENAMEL 100	100%	
Diluent: 510-00456-900, ODORLESS DILUENT	10% - 15%	

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Brushing

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Use a natural or synthetic brush in good condition and does not detach bristles.

Roller application

Microfiber or anti drip felt.

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

Rough surface: 3/4" felt.

Application by air spray

Nozzle	1.3 mm
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Pressure	35 psi
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Application conditions

Do not paint very hot surfaces or directly exposed to the sun, the paint will evaporate very fast and that will damage adherence and durability.

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

Number of layers and thickness

Dry Coat Thickness	1 mil
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Number of Coats	At least 2
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Drying times

Dry-to-Touch Time	4 a 5 hours
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Recoat time	12 hours
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Total drying time	7 a 10 days
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Drying times listed are under ideal conditions (Between 22-28°C temperature and 50 - 80% relative humidity). These times are dependent on temperature, moisture, film thickness and dilution.

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OBSERVATIONS

- ✓ Keep container tightly closed in a ventilated place, between 20 and 30 °C, out of reach of children.
- ✓ If you are using more than one container, is better to mix them before use, for a better color match. Do not wash a painted surface with abrasive detergent, it's better to use enough clean water, liquid soap and a soft sponge
- ✓ Container must be kept tightly closed to avoid loss of its properties.
- ✓ If you need more information, one of our technicians will assist you. Call 800-SUR-2000 or email us at customerservice@gruposur.com

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.
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

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