TECHNICAL INFORMATION

ESMALTE PROFESIONAL
Professional Enamel

501-02200-000

DESCRIPTION

Esmalte Profesional is an enamel with good performance that allows easy application and good leveling.

USE

This product can be applied indoors and outdoors on gypsum, concrete, fiber cement and wood surfaces.

Structure	Eaves, ceilings, walls, fascia board, doors.
Exterior/Interior	Outdoor, Roofed Outdoors, Indoor.
Surface	Bare or plastered concrete, fiber cement, wood, brick gypsum, lightweight materials, painted surfaces.
Line	Architectural

CHARACTERISTICS

SPECIAL PROPERTIES

Finish	GLOSS
Hiding Power	● ● ● ○ ○
Weather resistance	● ● ● ○ ○

PHYSICAL PROPERTY	DATA
Weight Solids (%)	37-39
Weight per gallon (kg/gal)	3.9 – 4.0
Volume solids (%)	27 – 29
Stormer Krebs Viscosity (Ku)	95 – 105
Theoretical yield (m²/gallon)	42m² @ 1mil

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.
These data were measured in white paint, other colors may show a slight variation, mainly in VOC's percentage.
In some intense colors, this coating's yield may vary, as it increases the number of layers to apply.
Note: values expressed in a 1 to 5 scale, where 5 is better.

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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PRESENTATIONS

AVAILABLE CONTAINERS	AVAILABLE COLORS
¼ gallon metal can (0.946 lt) 1 gallon metal can (3.785 lt) 5 gallon plastic bucket (18.925 lt)	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 they can affect the adhesion or performance of the finish. Remove loose or peeling old paint film with the appropriate tools, and smooth uneven spots left by old coat of paint.
Concrete	All new surfaces must be fully cured, usually about 30 days (setting time), dry and clean. Apply one layer of **SELLADOR BLANCO 522-000** (White Sealant) and coat with this finish.
Gypsum board	Plaster the surface, sand, and thoroughly clean residual dust with a clean microfiber cloth. Apply 1 coat of **SELLADOR BLANCO 522-000** (White Sealant) diluted with 20 to 25% water to improve surface infiltration, let dry and apply this finish.
Dry Wall and Fiber cement	Dust thoroughly and apply a layer of **SELLADOR BLANCO 522-000** (White Sealant) and coat with this finish.
Wood	Old nail holes or hairline cracks, should be repaired with **MASILLA PARA MADERA 800-***** (Wood Putty) sand and dust thoroughly, then apply a coat of **APAREJO BLANCO UNIVERSAL 530-000** (Wood Bonding Primer) and apply this finish.

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Mildew, Mold	Apply **SOLUCIÓN FUNGICIDA** 334-900 (Antifungal Solution), 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 led dry on the surface. After cleaning, be sure the surface is thoroughly dry before applying a coat of **SELLADOR BLANCO** (white sealer) 522-000 and this finish.
Hairline cracks, small cracks and cracks in masonry or concrete	Hairline Cracks (0.1 mm a 0.5 mm): Cover with an elastomeric finish. Small Cracks (0.6 mm a 2 mm): Repair with **PEGA-PATCH** Elastomeric Putty 231-000 and cover with this finish. Cracks (2 mm a 20 mm): Use 550 **ETIBOND CONCRET** and immediately, "fresh on fresh", apply **MORTERO DE REPARACIÓN MR-520** (repair mortar). Let the mortar cure and dry for at least 15 days. Once cracks are repaired, coat with of **SELLADOR BLANCO 522-000** (white sealer) and this finish. Important: For cracks wider than described, refer to the Virtual Assistant or request an assessment from our Technical Service.
Rising damp on masonry walls	On surfaces with rising damp problems, coating with an acrylic plaster, or a satin or gloss finish, is not recommended.
Mild concrete dusting	Apply a coat of **SELLADOR TRANSPARENTE 501-910** (Clear sealer), 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 **SELLADOR BLANCO UNIVERSAL 524-000** (sealer) to ensure the adherence of any paint, either water or solvent base. Then apply this finish.

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PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 501-02200-000 ESMALTE PROFESIONAL	**100%**	Stir well before use.
Diluent: 510-00456-900 DILUYENTE ODORLESS	**10 to 15%**	

PRODUCT APPLICATION

IT CAN BE APPLIED WITH

Brush	Roller	Conventional Air Spray (gravity or suction fed)

Brushing

Use natural or synthetic brushes in good condition and that do not shed bristles.

Roller application

Microfiber or splatter free roller felt.

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

Rough surface: 3/4” felt

Air spray

Nozzle	1.3 mm
Pressure	35 psi

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Application conditions
Do not apply on hot surfaces or directly exposed to sunrays, paint will evaporate too soon and this will affect leveling, adhesion and durability.
Don´t paint when humidity is over 85%, or in a rainy day.

Number of layers and thickness	
Dry Coat Thickness	1 mil
Number of Coats	2 or more

Drying times	
Dry-to-Touch Time	4 - 5 hours
Re-coat time	12 hours
Full cure	7 to 10 days

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.

OBSERVATIONS

- ✓ Keep container tightly closed in a ventilated place, between 20 and 30°C, out of reach of children.
- ✓ If you´ll use more than one container, mix them in advance to correct any color differences.
- ✓ Do not wash a painted surface with abrasive detergents, it is better to use liquid detergent with enough water and a soft sponge.
- ✓ If you need more information, check our website https://www.gruposur.com/asistencia/

HEALTH

- ✓ User may need to wear the appropriate Personal Protective Equipment, which is detailed in the respective 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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