

# TECHNICAL INFORMATION

## MÁGNUM LÁTEX MATE

Matte Latex Paint

502-03000-000



### DESCRIPTION

MÁGNUM LÁTEX MATE 1100 is a matte latex paint based on lead and mercury free acrylic resins that has been enhanced with nanoparticles that promote water repellency, so it cannot permeate the surface. Has a moderate load of biocides with a strong approach against fungi and algae, good levelling, and good hiding power.

### USE

Ideal for interior and exterior surfaces of concrete, brick, wood, or lightweight materials, such as drywall, fiberglass, and gypsum boards.

Structure	Eaves, ceilings, Structural elements (columns, trusses, etc.), walls, fascia board.
Exterior/Interior	Outdoor, Roofed Outdoors, Indoor.
Surface	Bare or plastered concrete, fiber cement, wood, lightweight board, gypsum, mineral fiber ceilings, painted or plastered surfaces.
Line	Architectural

### CHARACTERISTICS

#### SPECIAL PROPERTIES

Finish	MATTE				
Breathability	YES				
Hiding Power	●	●	●	●	○
Weather resistance	●	●	●	●	○
Antifungal	●	●	●	○	○

### PHYSICAL PROPERTY

### DATA

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Weight Solids (%)	53 – 55
VOC (volatile organic compounds) (g/l)	< 10
pH	7.0 – 9.0
Weight per gallon (kg/gal)	5.15 – 5.35
Volume solids (%)	35 – 37
Shelf life	4 years
Stormer Krebs Viscosity (Ku)	100 – 110
Theoretical yield (m <sup>2</sup> /gallon)	54m <sup>2</sup> @ 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.

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.

### PRESENTATIONS

#### AVAILABLE CONTAINERS

¼ gallon metal can (0.946 lt)  
1 gallon metal can (3.785 lt)  
5 gallon plastic 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 they can affect the adhesion or performance of the finish.

Remove loose or peeling old paints with the appropriate tools, and smooth uneven spots left by old coat of paints.

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Concrete	<p>All new surfaces must be fully cured, usually about 30 days (setting time), dry and clean.</p> <p>Apply one layer of <b>SELLADOR BLANCO 522-000</b> (White Sealant) and coat with this finish.</p>
Gypsum boards	<p>Plaster the surface, sand, and thoroughly clean residual dust with a clean microfiber cloth.</p> <p>Apply 1 coat of <b>SELLADOR BLANCO 522-000</b> (White Sealant) diluted with 20 to 25% water to improve surface infiltration, let dry and apply this finish.</p>
Dry Wall and Fiber cement	<p>Dust thoroughly and apply a layer of <b>SELLADOR BLANCO 522-000</b> (White Sealant) and coat with this finish.</p>
Wood	<p>Old nail holes or hairline cracks, should be repaired with <b>MASILLA PARA MADERA 800-***</b> (Wood Putty) sand and dust thoroughly, then apply a coat of <b>APAREJO BLANCO UNIVERSAL 530-000</b> (Wood Bonding Primer) and apply this finish.</p>
Mildew, Mold	<p>Apply <b>SOLUCIÓN FUNGICIDA 334-900</b> (Antifungal Solution), let on the surface for some 20 minutes. Rinse with enough clean water and scrub the area.</p> <p>Where washing is not possible, apply <b>NIT CLINICAL DISINFECTANT CLEANER 4 33260-600</b>, scrub with a microfiber cloth, apply again and let dry on the surface.</p> <p>After cleaning, be sure the surface is thoroughly dry before applying a coat of <b>SELLADOR BLANCO</b> (white sealer) 522-000 and this finish.</p>
Hairline cracks, small cracks and cracks in masonry or concrete	<p>Hairline Cracks (0.1 mm a 0.5 mm): Cover with an elastomeric finish.</p> <p>Small Cracks (0.6 mm a 2 mm): Repair with <b>PEGA-PATCH</b> Elastomeric Putty 231-000 and cover with this finish.</p> <p>Cracks (2 mm a 20 mm): Use 550 <b>ETIBOND CONCRET</b> and immediately, "fresh on fresh", apply <b>MORTERO DE REPARACIÓN MR-520</b> (repair mortar).</p> <p>Let the mortar cure and dry for at least 15 days.</p> <p>Once cracks are repaired, coat with of <b>SELLADOR BLANCO 522-000</b> (white sealer) and this finish.</p> <p>Important: For cracks wider than described, refer to the Virtual Assistant or request an assessment from our Technical Service.</p>

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<b>Rising damp on masonry walls</b>	Completely remove all old paint and plaster. Remove fungi as described in "Mildew". Waterproof the area with <b>MORTERO IMPERMEABILIZANTE MI-560</b> (Waterproofing Mortar) up to 1 meter above the humid area. Apply a coat of <b>SELLADOR BLANCO 522-000</b> (sealer) and this finish. In more severe humidity cases, contact our Technical Service as indicated below.
<b>Mild concrete dusting</b>	Apply a coat of <b>SELLADOR TRANSPARENTE 501-910</b> (Clear sealer), let dry and paint. Note: Evaluate dusting problem to determine if the surface can be painted or other reparation is required.
<b>Gloss or satin areas</b>	Clean and degrease all surface. Apply a coat of <b>SELLADOR BLANCO UNIVERSAL 524-000</b> (sealer) to ensure the adherence of any paint, either water or solvent base. Then apply this finish.

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 502-03000-000, MAGNUM LATEX MATE	100%	Stir well before use.
Diluent: Tap Water	10 to 15%	

### PRODUCT APPLICATION

#### IT CAN BE APPLIED WITH

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Brush

Roller

Conventional Air  
Spray /gravity or  
suction feed)

Airless

### 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
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Pressure	35 psi
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### Airless spray

Nozzle	#517
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Pressure	1500 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
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Number of Coats	2 or more
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### Drying times

Dry-to-Touch Time	30 minutes
Re-coat time	2 hours
Full cure	5 to 7 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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