



DESCRIPTION

DURABLE CLINICAL MATE AQ is a high-quality, single-part bactericidal paint based on acrylic resins, offering excellent wash resistance. Its breathable matte finish enhances its bactericidal properties, ensuring prolonged effectiveness by inhibiting or eliminating the growth of bacteria, fungi, and yeasts. This makes it ideal for environments where hygiene is crucial, such as doctor's offices, waiting rooms, food preparation areas, and domestic settings. Additionally, with low VOCs (<50 g/L, ASTM D6886) and low TVOCs (<0.5 mg/m³, CDPH v1.2), it is perfect for building certification projects under various environmental regulations.

USE

USE: This product can be applied indoors or covered outdoors on concrete, gypsum board, fiber cement and wood surfaces.

STRUCTURE	Ceilings, Structural Elements (columns, trusses, etc.), Walls, Doors, Sterile Areas
Indoor/Outdoor	Interior, covered exteriors.
SURFACE	Bare or plastered concrete, fiber cement, wood, plastered surfaces, lightweight board, gypsum board, suspended ceilings (mineral fiber), painted surfaces.
Bactericidal activity	Antibacterial
Line	Architectural, Domestic Line

PROPERTIES

SPECIAL PROPERTIES

Finish	Matt
Washability (cycles)	>5000
Breathability	Yes
Hiding Power	● ● ● ● ○
Anti-fungal	● ● ● ● ●

PHYSICAL PROPERTIES

DATA

Weight Solids (%)

63 – 65

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TECHNICAL INFORMATION

DURABLE CLINICAL MATE AQ

502-59956-000



VOC (volatile organic compounds) (g/L)	<16
Weight per gallon (kg/gal)	5.25 - 5.45
Volume Solids (%)	48 - 50
Shelf life	4 years
Stormer Krebs Viscosity (Ku)	100 - 110
Theoretical yield (m ² /gallon)	70 m ² /gallon at 1 mil

Definition of theoretical yield: Maximum surface that can be coated with a paint in ideal conditions. Practical yield varies depending on type of surface, tool used, applicator experience, and other factors. 1 mil = one-thousandth of an inch (0.0254 mm).

The data on this technical sheet are from white paint, with minimal variation in other colors. When inking a base, there may be a slight change in the values, especially in the percentage of VOC.

Note: Scale is 1 to 5, where 5 is the best value.

CONTAINERS

AVAILABLE CONTAINERS

1 gallon can (3.785 Lt.)

5-gallon bucket (18.925 Lt.)

AVAILABLE COLORS

White 000 and pastel colours

SURFACE PREPARATION

CONDITION	INSTRUCTION
Surface Cleaning	Before applying, remove any dirt, such as dust, grease or other contaminant, as it will affect the adhesion or performance of the finish. Remove poorly adhered old paint with hand or power tools and smooth-out any rough areas or raised spots where old paint was removed.
Concrete:	New areas must be fully cured for 28 days (setting time), dry and clean. Apply a layer of DURABLE SELLADOR AQ 930 to the cured surface. Finally, apply this finish.
Gypsum board	Plaster and sand those areas that require it, then wipe off residual dust from the entire surface with a damp microfiber cloth. Then apply a coat of our sealer DURABLE SELLADOR AQ 930. Finally, apply this finish. Note: In this case, it is important that the sealer be diluted with 20 to 25 % of

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water for a better penetration into the surface.

Lightweight board and fiber cement Thoroughly clean the entire surface to remove any dust or other contaminants, then apply a coat of DURABLE SELLADOR AQ 930. Finally, apply this finish.

Cracks or fissures in masonry or concrete An elastomeric finish is recommended. Hairline cracks (0.6 mm to 2 mm): Repair with our elastomeric putty MASILLA ELASTOMÉRICA PEGA PATCH 231-000. Finally, apply this finish. Cracks (3 mm to 20 mm): Use ETIBOND CONCRET 550, and immediately, "fresh over fresh", apply our mortar MORTERO DE REPARACIÓN MR-520. Allow mortar to cure and dry for at least 15 days before applying a coat of DURABLE SELLADOR AQ 930. Finally, apply this finish.

Note: For cracks wider than described, refer to our Virtual Assistant or request an assessment from our Technical Service, who will indicate the appropriate process to follow.

Capillary moisture in masonry Completely remove all old paint and plaster. If fungus is present, clean as indicated in the section "Surfaces with fungus or algae". Then waterproof the area with our waterproofing mortar MORTERO IMPERMEABILIZANTE MI-560 up to 1 m above the area that appears wet. Then apply a coat of our sealer DURABLE SELLADOR AQ 930. Finally, apply this finish.

Note: In severe cases of moisture, ask for an assessment from our Technical Service to advise you with the appropriate process to follow.

Surfaces with fungi or algae On surfaces with fungi, algae or lichens, apply our SOLUCIÓN FUNGICIDA 334-900, let 20 minutes and rinse with plenty of water. In areas that cannot be washed, apply NIT LIMPIADOR DE MOHO Y HONGOS 33305-600, clean with a microfiber cloth and reapply, but this time do not wipe out, let it to dry completely on the surface. After cleaning, ensure surface is completely dry before applying a coat of DURABLE SELLADOR AQ 930. Finally, apply this finish.

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 502-59956-000 CLINICAL MATE AQ	DURABLE 100%	Shake well before use:
Diluent Clean Water	10% – 15%	

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PRODUCT APPLICATION

APPLICATION TOOLS

BRUSH	Airless equipment	Conventional spray gun Roller (gravity or suction)
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Brush application

Check that the brush is in good condition and do not detach bristles.

Use natural or synthetic bristles.

Roller application

Felt can be microfiber or dripproof.

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

Rough surface: 3/4" felt.

Application with conventional spray gun

Nozzle size	0.38 mm (0.015 in) to 0.43 mm (0.017 in)
Pressure	1500 psi

Application with airless equipment

Nozzle size	# 517
Pressure	1500 psi

Application conditions

Never paint surfaces that are very hot or directly exposed to the sun, the paint will evaporate very quickly and that will damage its adhesion and durability.

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

Number of layers and thickness

Dry thickness per layer (mils)	1 mil
Number of coats:	Minimum 2

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Drying time

Touch-Dry	60 minutes
Drying time to repaint	3 Hours
Total drying time	5 to 7 days after application

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

Compliances

Base Standard: LEED® EQ Credit: Low Emitting Materials

Analytical methodology: CDPH v1.2

Compliance: Yes

Analytical methodology: ASTM D6886

Compliance: Yes

Standard Base: SCAQMD Rule 1113

Analytical Methodology: ASTM D6886

Compliance: Yes

NOTICE:

- ✓ Store this product in its closed factory container between 20 °C and 30 °C, in a dry, ventilated place, out of the reach of children.
- ✓ If you are using more than one container, it is preferable to mix them earlier.
- ✓ Do not wash a painted surface with abrasive detergents, liquid detergent with plenty of water and soft sponge is best.
- ✓ If you need other information for safe handling of this product, you can visit our website <https://www.gruposur.com/asistencia/>

HEALTH

- ✓ If you need to dispose of empty packages of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.
- ✓ The user of this product may need the appropriate Personal Protective Equipment, as described in the respective Safety Data Sheet (MSDS), available on our website <https://www.gruposur.com>

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