



MASTIC ROYAL ANTIBAC

General Description:

MASTIC ROYAL ANTIBAC is a water-based silver ion containing emulsion paint designed for premium interior coating offering long term efficiency. It is formulated with low odor and low VOC with Silver Ion Technology to improve indoor air quality which gives antimicrobial properties preventing the development of bacteria, fungus and viruses. MASTIC ROYAL ANTIBAC has a very good stain resistance, scrub resistance.

Major Uses:

For use on interior surfaces, like plaster, gypsum boards, concrete and asbestos cement sheeting. MASTIC ROYAL ANTIBAC is highly recommended for decorating facades and interiors of buildings, homes and for areas with high hygienic standards such as hospitals, day-care centres, schools and clinics., etc.

Key Features:

- Good washability.
- Antimicrobial effect.
- High covering power.
- Silky finish.
- High adherence, scrub resistance and durability.
- Excellent flexibility.
- Free of VOC emissions.

Characteristics and Physical Properties:

Colour	As per RAL & NCS
Appearance	Silk / Eggshell
Volume solids	39 %
Specific Gravity	1.2 – 1.5 kg/L
Coverage	8 ~ 10 m ² /L
Drying time @ 25°C	25 min.
Application	Brush / Roller / Spray / Airless spray
Relative humidity	70% @ 25°C
VOC	<50 g/L

Surface Preparation:

New Substrates:

- The new plaster needs at least 24 days for complete dry before applying the primer coat.
- Substrate must be free from any form of contaminants.
- The surfaces are even with pumice stone, freestone, well burned brick, through circular moves and maintaining permanent contact with plaster surface. For big surfaces it is recommended to use electric polishing equipment;
- It is recommended to open the cracks with a knife and filled with cement binder, plaster or other filling material. For cracks smaller than 2mm use stucco filler. For higher cracks thick, it is recommended successively application of more coats with stucco, with intermediary polishing.
- The plaster which, through knocking, show cracks or some other irregularities are totally removed, until the masonry. If the surface is small it can be repaired with concrete pasta with fast drying; on big surfaces use cement binder of the same type with the plaster;
- The dust from polishing is removed with brush, broom or with compressed air;
- Sand with big granulation is removed because, with time, it will fall down together with the plaster, on touch;
- All the period for repairing and plastering the recommended temperature is at least 5°C;
- Apply 1 coat of MAS Masonry AR Primer as impregnating sealer.
- Apply 1 – 2 coats of MAS Masonry Primer into the substrate.
- Application of MAS PVA Wall filler to smoothen the surface.
- Application of 1 – 2 coats of MASTIC ROYAL ANTIBAC for final coatings.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

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Old Concrete (previously painted)

- The plaster condition is checked through knocking; if there are surfaces or borders that will fall, they need to be repaired with new plaster;
- Old, un-adherent paint are totally removed through erasing with steel spatula or burning with gas lamp;
- Paints based on glue are totally removed;
- Surfaces affected by fungus or mold need to be cleaned and well impregnate with anti-mold solution, and needs total dry.
- If the surface needs to be repaired it is recommended to use plaster cement or other materials adequate for consolidation; the dust, from polishing after repairing, is removed.
- Remove all blistered, cracked and peeled off paint from the surface.
- Penetrated paint must be cleared and treated with 3% ammonia and water.
- Glossy finish coat must be sanded.
- Apply 1 coat of Masonry AR Primer, MAS Masonry Primer and PVA Wall filler for uneven surfaces prior to application of MASTIC ROYAL ANTIBAC

Application:

The product should be conditioned at 10-30°C, well homogenize and applied on the surface, previously prepared: the product is applied through rolling, brushing, air-spraying or air-less spraying:

- Brushing or rolling: the first coat is applied diluted with approx. 10% cold, clean water (15-20°C); after complete drying (minimum 60 minutes) the second coat is applied (if necessary), without dilution or diluted with approx. 10% cold, clean water (15-20°C);
- Air-spraying (pressure: 3 bars; nozzle 1.5mm): 1-2 coats are applied with approx. 40% dilution with cold, clean water (15-20°C);
- Air-less spraying (pressure: 150-250 bars, nozzle:0.013-0.026, pulverization angle 40°): 1-2 coats are applied, without dilution.

Re-covering period between coats: minimum 60 minutes.

The used instruments are washed with water, immediately after application.

Observation: do not work below 5°C.

Drying:

At 25 °C and 70% relative humidity: 2-4 hours between coats and 24-hour total drying time.

The total curing is produced after 30 days, presenting a good hardness and resistance.

It is recommended not to clean and/or scrub during this period.

Environmental conditions:

The work temperature (ambient and substrate) must be between +5 °C and +40 °C. Do not apply under direct sunlight or on surfaces heated by the sun.

Tools:

Roller, brush or airless.

Airless application:

Spraying angle: 30°

Spraying distance: 50-60 cm

Nozzle size: 0.027 in.

Minimum machine power: 1750 W

Machine filter: 30-40 mesh.

Tools Cleaning:

Clean tools after use with warm water.

Notes:

Mineral substrates must be at least 28 days old. The supports to be painted must be resistant to high alkalinity.

Do not apply on surfaces in permanent contact with water. In very humid areas (bathrooms or indoor pools).

Storage:

The product must be stored in accordance with national regulations. The product should be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Contents must be kept tightly closed.

Packing:

Available in 1Usg. and 5 Usg. Pail

Usage warnings:

None particularly in normal performances and for people without specific pathologies. Alkaline product, protect skin and eyes especially. Do not inhale the product. Keep out of reach of children.

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