

MAPECOAT ACT MATT

Cleanable enamel paint, resistant to moulds, viruses and bacteria



DESCRIPTION

Acrylic-based enamel paint for interiors with special biological protection agents with a broad spectrum of action, able to **counteract the deposit and proliferation of moulds, viruses and bacteria** on surfaces, even when frequently washed and disinfected.

It gives the surface a smooth and matt finish. It stands out for its **excellent resistance to washing** and a very low dirt pick-up, making the surfaces easy to clean. These characteristics, together with the ease of application, make **Mapecoat ACT Matt** suitable for the protection and decoration of all environments where it is necessary to guarantee a high level of hygiene and prolonged resistance to cleaning operations, such as for example medical-health environments as well as facilities subject to **HACCP protocol**.

In accordance with the European standard EN 13300, "Water-borne coating materials and coating systems for interior walls and ceilings - Classification", **Mapecoat ACT Matt** has the following characteristics:

CLASSIFICATION ACCORDING TO EN 13300

Hiding power with spreading rate of 6.7 m²/l (EN ISO 6504-3):

≥ 98%
class 2

Wet-scrub resistance (200 cycles) (EN ISO 11998):

< 5 microns
class 1

Gloss 85° (EN ISO 2813):

<10
matt

Maximum particle size (EN 21524):

< 100 microns
fine

ADVANTAGES AND BENEFITS

- Stain resistant
- Resistant to mould, viruses and bacteria
- High durability
- Highly hygienic finish

WHERE TO USE

Painting of all **old, new or already painted interior surfaces**. When applied on interior walls, **Mapecoat ACT Matt** adheres to all types of masonry, plasters, smoothing layers and on old paints as long as suitably prepared.

APPLICATION CYCLE

Treatment of surfaces with the presence of moulds

Carry out an initial thorough washing of the surface with **Silancolor Cleaner Plus**; in fact, moulds must be removed only when wet to avoid spreading spores and microorganisms in the surrounding environments. The application of **Silancolor Cleaner Plus** on the substrate must be carried out using a low-pressure manual sprayer or by brush, leaving the solution to act for a few minutes and taking care to make it penetrate deeply. Then eliminate the moulds by mechanical brushing.

Preparation of the substrate

The surfaces to be treated must be cured, perfectly clean, cohesive and dry. Remove any loose or flaking material from the surface. Smoothen all unevenness of the substrate (holes, cracks) and repair deteriorated parts to reach a sufficiently flat and even surface.

Application of the primer

According to the type of substrate, select the primer to use: **Malech**, transparent acrylic primer, properly diluted, or **Dursilite Base Coat**, pigmented acrylic undercoat, white or in a shade similar to the final colour, recommended especially in case of bright colours with limited hiding power. Wait for the complete drying of **Malech** or **Dursilite Base Coat** (6-12 hours) and proceed with the application of **Mapecoat ACT Matt**.

Application of the finish

Dilute **Mapecoat ACT Matt** taking care to thoroughly blend it; use a drill at low speed if necessary. **Mapecoat ACT Matt** can be applied by brush, roller or spray in two coats. Wait 6-12 hours between coats depending on humidity and temperature, ensuring that the previous layer is completely dry.

| TYPE OF SUBSTRATE | PRIMER product and dilution* | | FINISH product, dilution* and N°of coats | | |
|--|---------------------------------|---------|---|-------|---|
| New surfaces with cementitious, lime or gypsum skimming mortars | Malech | 1:1 | Mapecoat ACT Matt | 0-15% | 2 |
| | Dursilite Base Coat | 0 - 10% | | | |
| Already painted surfaces in good conditions (cohesive, well adherent and slightly absorbent) | Malech | 1:2 | Mapecoat ACT Matt | 0-15% | 2 |
| | Dursilite Base Coat | 0 - 10% | | | |
| Already painted surfaces in poor conditions (chalking, absorbent) | Malech | 1:1 | Mapecoat ACT Matt | 0-15% | 2 |
| | Dursilite Base Coat | 0 - 10% | | | |

*values by volume

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply if temperature is lower than +5°C or higher than +35°C.
- Do not apply if the level of humidity is higher than 85%.
- Do not apply on exterior surfaces.
- Do not apply on damp surfaces or on surfaces that are not completely cured.

CLEANING

Wash brushes, rollers and spray equipment with water before **Mapecoat ACT Matt** dries.

COVERAGE

Coverage is heavily influenced by the absorption and the roughness of the substrate and according to the application technique used.

Under normal conditions, coverage is generally **9 -13.5 m² per litre**, per **one coat** of product.

PACKAGING

Mapecoat ACT Matt is supplied in 1, 4 and 14 litres buckets made of recycled plastic.

STORAGE

24 months if stored in a dry place away from sources of heat, at a temperature between +5°C and +30°C. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

PRODUCT IDENTITY

| | |
|--|---|
| Consistency: | thick liquid |
| Colour: | white, colours from the MAPEI colour charts or various colours obtained using the ColorMap® automatic tinting system |
| Density (EN ISO 2811-1): | approx. 1.34 g/cm ³ (referring to white) |
| Dry solid content by weight (EN ISO 3251): | approx. 64% |

APPLICATION DATA

| | |
|-----------------------------|---|
| Application temperature: | from +5°C to +35°C |
| Water dilution: | 0-15% by volume |
| Suitable tools: | brush, roller, spray |
| Number of suggested coats: | 2 |
| Waiting time between coats: | 6-12 hours according to humidity and temperature conditions |
| Coverage: | 9 – 13.5 m ² / litre, per coat |

FINAL PERFORMANCE

| | |
|--|---------------------|
| Dirt pick-up (UNI 10792): | $\Delta L \leq 3.0$ |
| Smell (UNI 11021 Appendix A): | ≤ 1.0 |
| Cleanability (UNI 11021 Appendix B): | $\Delta L \leq 3.0$ |
| Resistance to washing agents (active-chlorine products, alkaline degreasers, acid-based de-scalers) (EN ISO 2812-1): | no alteration |
| Resistance to disinfection agents (EN ISO 2812-1): | no alteration |
| Resistance to thermal shock (UNI 11021 Appendix D): | no alteration |

MOULD RESISTANCE

| | |
|---|----------------------|
| Resistance to mould and fungi (EN 15457): | no growth |
| Resistance to mould and fungi (UNI 11021 Appendix C): | ≤ 1.0 compliant |

RESISTANCE TO VIRUSES AND BACTERIA

| Type | Biological agent | Method | Result |
|-----------|--|-----------|---------------|
| bacterium | Staphylococcus aureus | ISO 22196 | $\geq 99.9\%$ |
| bacterium | Escherichia coli | ISO 22196 | $\geq 99.9\%$ |
| bacterium | Methicillin resistant Staphylococcus aureus (MRSA) | ISO 22196 | $\geq 99.9\%$ |
| bacterium | Pseudomonas aeruginosa | ISO 22196 | $\geq 99.9\%$ |
| virus | Bacteriophage Phi6 | ISO 21702 | $\geq 99.9\%$ |

ENVIRONMENTAL PERFORMANCE

| | |
|--|-----------|
| VOC content of ready-mixed product (white) (European Directive 2004/42/EC): | ≤ 15 g/l |
| VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC): | ≤ 20 g/l |
| VOC emissions - INDOOR AIR QUALITY: | Class A+ |
| Environmental Product Declaration - EPD: | S-P-01104 |

LEED v4.1

| | |
|---|-----------|
| MR Building Product Disclosure and Optimization - EPD | S-P-01104 |
| EQ Low-Emitting Materials | compliant |

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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