

MAPECOAT ACT SATIN

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 satin 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 Satin** 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 Satin** has the following characteristics:

CLASSIFICATION ACCORDING TO EN 13300

Hiding power with spreading rate of 6.7 m ² /l (EN ISO 6504-3):	≥ 98% class 2
Wet-scrub resistance (200 cycles) (EN ISO 11998):	< 5 microns class 1
Gloss 60° (EN ISO 2813):	46 semi-gloss
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 Satin** 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 through 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 Satin**.

Application of the finish

Dilute **Mapecoat ACT Satin** taking care to thoroughly blend it; use a drill at low speed if necessary.

Mapecoat ACT Satin 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 Satin	0-10%	2
	Dursilite Base Coat	0 - 10%			
Already painted surfaces in good conditions (cohesive, well adherent and slightly absorbent)	Malech	1:2	Mapecoat ACT Satin	0-10%	2
	Dursilite Base Coat	0 - 10%			
Already painted surfaces in poor conditions (chalking, absorbent)	Malech	1:1	Mapecoat ACT Satin	0-10%	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 Satin** 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 **8.5 -12.5 m² per litre**, per **one coat** of product.

PACKAGING

Mapecoat ACT Satin 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. 1.25 g/cm ³ (referring to white)
Dry solid content by weight (EN ISO 3251):	approx. 57%

APPLICATION DATA

Application temperature:	from +5°C to +35°C
Water dilution:	0-10% 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:	8.5 – 12.5 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):	≤ 10 g/l
VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC):	≤ 15 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

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

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6636-11-2022-en

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