



MAPEI



Colorite Performance

**Protective acrylic
paint for internal and
external application**

HIGH UV RESISTANCE

WIDE RANGE OF COLOURS

WHERE TO USE

For painting all old and new surfaces and surfaces, including those which are already painted, where both an attractive, smooth, semi-gloss, silky finish and a long-lasting, protective coat against environmental aggression and sun light are required.

The special formula of the product makes it particularly suitable for painting all cementitious and lime or gypsum-based surfaces which require long-lasting, durable protection, good water repellence and permeability to vapour.

Some application examples

Painting all types of new, well-cured cementitious or lime-based renders and old cementitious or lime-based renders which are regular, well-bonded and sound.

Painting over old paint and old plastic or mineral coatings which are well bonded to the substrate.

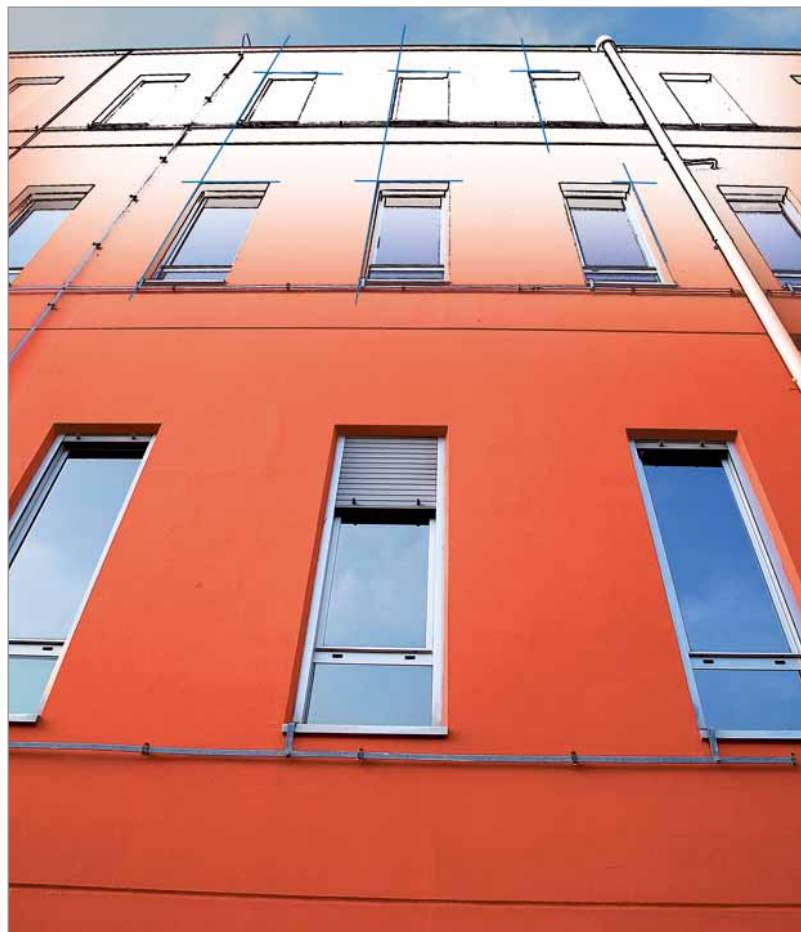
TECHNICAL CHARACTERISTICS

Colorite Performance is a paint for internal and external walls, made up of non-saponifiable, pure acrylic resin in water dispersion.

Colorite Performance is resistant to all climatic conditions and the aggressive attack of smog, salt and sunlight, and provides a long-lasting protective coat for the substrate.

Colorite Performance bonds perfectly to all types of renders and to old, well-bonded paintwork.

Colorite Performance is also suitable for internal use on brickwork or old painted surfaces if well-bonded



and sound, after treatment with **Malech**. If a colour with poor covering characteristics is used, apply **Quarzolite Base Coat** instead of **Malech**.

Colorite Performance protects the substrate and gives it a uniform, attractive appearance with a silky finish. It is available in a wide range of colours which may be obtained with the **ColorMap®** automatic colouring system.

Colorite Performance meets the requirements of EN 1504-9 (*"Products and systems for protecting and repairing concrete structures: definitions, requirements, quality control and conformity assessment. General principles for the use and application of systems"*), and the requirements of EN 1504-2 (*"Surface protection system for concrete"*) for the following classes: surface protection products – coating – ingress protection (1.3) (ZA.1d) + moisture control (2.2) and increasing resistivity (8.2) (ZA.1e).

RECOMMENDATIONS

- Do not apply **Colorite Performance** on damp substrates, or on substrates which are not fully cured.
- Do not apply **Colorite Performance** if the temperature is lower than +5°C or higher than +35°C (the surface must be dry and must not be in direct sunlight).
- Do not apply **Colorite Performance** if the level of humidity is higher than 85%.
- Do not apply **Colorite Performance** if it is about to rain or in windy weather.
- Please refer to the "Safety instructions for preparation and application" section.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces or surfaces which have been patched-up with repair mortar must be well cured, perfectly clean, sound and dry. Remove all traces of oil and grease and parts which are not well-attached from the surface. Seal any cracks which are present in the substrate and repair the parts which are in poor condition. Seal off the porosity and smooth off any uneven parts in the substrate. Apply a coat of **Malech** (ready-to-use) and, after 12-24 hours, apply the **Colorite Performance**.

Preparation of the product

Dilute **Colorite Performance** with 10-15% water, making sure that it is well mixed together. If possible, use a low-speed drill to help with mixing. If only a part of the product is to be prepared, mix the **Colorite Performance** as is in its original container before pouring off the quantity required.

Application of the product

Colorite Performance is applied using traditional methods with a brush, a roller, by air-spraying or with an airless spray-gun system on top of a coat of dry **Malech** primer.

The protection cycle comprises the application of at least two coats of **Colorite Performance** at a distance of 24 hours between each coat under normal temperature and humidity conditions, and in all cases when the underlying layer is completely dry.

To make the application of **Malech** (colourless liquid) easier, we recommend diluting it with 20-30% of **Colorite Performance** in the final colour chosen. This makes it easier to identify the areas where primer has been applied, and also forms a coloured base coat which helps cover the substrate. As an alternative, apply a coat of **Quarzolite Base Coat** in the same colour as the final coat.

Examples of the final effect and finishes obtained using **Colorite Performance** are illustrated in the "MAPEI colours in Design" catalogue.

Cleaning

Brushes, rollers and other tools used for applying the product may be cleaned with water before the **Colorite Performance** has dried off.

CONSUMPTION

0.3-0.4 kg/m² (refers to two coats of the product).

PACKAGING

Colorite Performance is supplied in 20 kg plastic drums.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Colorite Performance is not considered a dangerous substance according to current norms and regulations regarding the classification of mixtures. Wear protective gloves and goggles and take the usual precautions taken when handling chemical products are recommended. If the product is applied in a closed area, make sure that it is well ventilated.

For further and complete information about a safety use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

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 web site www.mapei.com

**All relevant references
for the product are available
upon request and from
www.mapei.com**

TECHNICAL DATA (typical values)

Conformity with:

- product certified according to EN 1504-2 (Surface protection system for concrete)
- EN 1504-2 classes: surface protection products - coating - ingress protection (1.3) (ZA. 1d) + moisture control (2.2) and increasing resistivity (8.2) (ZA. 1e)

PRODUCT IDENTITY

Appearance:	thick liquid
Colore:	white, colour range or colours which can be obtained with the ColorMap® colour system
Density (EN ISO 2811-1) (g/cm³):	approx. 1.35
Brookfield viscosity (mPa-s):	approx. 18,000 (5 shaft - 10 rpm)
Dry solids content (EN ISO 3251) (%):	approx. 61
Storage:	24 months in the original packaging
Hazard classification according to EC 1999/45:	none. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packing and Safety Data Sheet
Customs class:	3209 1000 00

APPLICATION DATA

Dilution ratio:	10-15% of water
Waiting time between two coats:	minimum of 24 hours in normal humidity and temperature conditions, and always with a completely dry substrate
Application temperature:	from +5°C to +35°C
Consumption (kg/m²):	0.3-0.4 (two coats)

FINAL PERFORMANCE

Colour variation after 1000 hours exposure to a Weather-Ometer (ASTM G 155 cycle 1), white colour:	$\Delta E < 1$
Colour variation after 1000 hours exposure to a Weather-Ometer (ASTM G 155 cycle 1), RAL7032 grey colour:	$\Delta E < 1$

Colorite Performance



PERFORMANCE CHARACTERISTICS FOR CE CERTIFICATION ACCORDING TO EN 1504-2 - CLASSES ZA.1d + ZA.1e

STANDARD	TEST	RESULTS AND CONFORMITY TO REQUIREMENTS	
UNI EN ISO 2409	oblique cut	result/class:	GT1, in conformity (\leq GT2)
UNI EN 1062-6	permeability to CO ₂	μ :	1,363,475
		s _D (m):	205
		dry thickness according to s _D (m):	0.00015
		result/class:	in conformity (s _D > 50 m)
UNI EN ISO 7783-1.2	permeability to water vapour	μ :	2648
		s _D (m):	0.4
		dry thickness according to s _D (m):	0.00015
		result/class:	I (s _D < 5 m)
UNI EN 1062-3	capillary absorption and permeability to water	w [kg/(m ² h ^{0.5})]:	0.01
		result/class:	in conformity (w < 0.1)
UNI EN 1062-11 4.1	thermal compatibility: ageing: 7 days at +70°C	result/class:	in conformity (adherence \geq 0.8 N/mm ²)
UNI EN 13687-1	thermal compatibility: freeze-thaw cycles with immersion in de-icing salts	result/class:	in conformity (adherence \geq 0.8 N/mm ²)
UNI EN 13687-2	thermal compatibility: thunder-shower	result/class:	in conformity (adherence \geq 0.8 N/mm ²)
UNI EN 13687-3	thermal compatibility: thermal cycles without immersion in de-icing salts	result/class:	in conformity (adherence \geq 0.8 N/mm ²)
static UNI EN 1062-7	crack resistance	crack-bridging ability (μ m):	917
		result/class:	A3 (> 0.5 mm)
dynamic UNI EN 1062-7	crack resistance	result/class:	B1
UNI EN 1542	direct traction adherence test	result/class:	in conformity (adherence \geq 0.8 N/mm ²)
EN 13501-1	reaction to fire	euroclass:	B s1 d0
UNI EN 13036-4	resistance to skid marks	result/class:	II (dry internal surface) (> 40 dry units)
UNI EN 1062-11:2002 4.2	artificial exposure to atmospheric agents	result/class:	in conformity
UNI EN 1081	anti-static behaviour	result/class:	I (explosives) (electrical resistance > 10 ⁴ and < 10 ⁶ Ω)
	hazardous substances	result/class:	in conformity

FURTHER PERFORMANCE CHARACTERISTICS ACCORDING TO EN 1504-2 REGARDING REQUIREMENTS FOR CLASSES ZA.1d + ZA.1e

STANDARD	TEST	RESULTS AND CONFORMITY TO REQUIREMENTS	
UNI EN ISO 5470-1	abrasion resistance	result/class:	in conformity (Δ weight < 3000 mg)
UNI EN ISO 6272-1	impact resistance	result/class:	class II (\geq 20 Nm)
UNI 7928	diffusion of chloride ions	penetration (mm):	0.0
UNI EN ISO 2812-1 - NH ₄ ⁺	chemical resistance	result/class:	in conformity



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