



Dursilite Plus

Internal wall paint for
the hygiene of walls



WASHABLE AND TRANSPIRANT

RESISTANT TO MOULD

WHERE TO USE

Painting all types of new, old and painted internal surfaces to provide the substrates with resistance to the growth of mould, combined with an attractive, smooth, matt finish with low dirt retention and high white balance.

Protecting and decorating cementitious, lime or gypsum-based substrates to form a vapour-permeable, washable finish resistant to the growth of mould.

Painting internal areas where mould is present such as bathrooms, kitchens, cold or poorly-ventilated walls and damp rooms or areas favourable for the formation of mould.

Some application examples

- Painting all types of internal walls and new, well-cured or old cementitious, lime or gypsum-based render or skimming mortar, as long as they are well-adhered to the substrate and have no flaking or crumbling areas.
- Painting rooms in private homes such as bathrooms, kitchens, sitting rooms, bedrooms, corridors and basements or in public or industrial areas, stairwells, service rooms and garages.
- Painting old and new cementitious surfaces, including those already painted, such as the back walls of balconies, stair wells, pillars and ceilings below covered areas and internal flat roofs and parapets on terraces.



Dursilite Plus



Wall affected by mould



Cleaned walls with Dursilite Plus



Cleaning the walls with Silanolor Cleaner Plus

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	thick liquid
Colour:	white, from the MAPEI colour chart range or in various colours obtained using the ColorMap® automatic colouring system
Density (EN ISO 2811-1) (g/cm ³):	approx. 1.60
Dry solids content (EN ISO 3251) (%):	approx. 65

APPLICATION DATA

Dilution rate:	15-20% of water
Waiting time between each coat:	at least 24 hours under normal humidity and temperature conditions, and only when the previous layer is completely dry
Application temperature:	+5°C to +35°C
Consumption (kg/m ²):	0.3-0.4 (in 2 coats)

FINAL PERFORMANCE

VOC emissions in an environmental simulation chamber after 28 days, white (ISO 16000) (g/m ³):	< 0.2
VOC content of ready-mixed product, white (European Directive 2004/42/EC) (g/l):	≤ 10
VOC content of ready-mixed product coloured (European Directive 2004/42/EC) (g/l):	≤ 25
Vapour diffusion resistance coefficient (EN ISO 7783) (μ):	30
Resistance to the passage of vapour of a 0.15 mm thick dry coat S _b (m):	0.0045

CLASSIFICATION ACCORDING TO EN 13300

Hiding capacity with yield of 10 m ² /l EN ISO 6504-3:	> 98% class 2
Wet-scrub resistance (200 cycles) EN ISO 11998:	18 micron class 2
Gloss value at 85° EN ISO 2813:	3,4 highly matt
Maximum particle size EN 21524:	< 100 micron fine

TECHNICAL CHARACTERISTICS

Dursilite Plus is a water-based wall paint for internal use with good covering capacity, high white balance and a matt finish made from modified acrylic resins in water dispersion and selected fillers.

When applied on internal surfaces, **Dursilite Plus** adheres perfectly to all types of masonry, render, smoothing and levelling compounds and old paintwork, as long as they are well attached and cohesive.

Dursilite Plus protects the substrate and gives it a highly attractive, uniform matt finish which is smooth to the touch.

Dursilite Plus contains an anti-mould agent.

Dursilite Plus used in combination with **Silancolor Primer Plus** and, where necessary, with **Silancolor Cleaner Plus**, forms a complete, efficient protective system for surfaces against mould.

Dursilite Plus is available in a wide range of colours, created using the **ColorMap®** automatic colouring system.

APPLICATION PROCEDURE

Preparation of the substrate

Surfaces must be well cured, perfectly clean, cohesive and dry.

Remove all traces of oil and grease from the surface and any areas which are not well bonded.

Remove all traces of mould if present.

Remove mould from surfaces while they are still damp and thoroughly clean them with **Silancolor Cleaner Plus**.

Apply **Silancolor Cleaner Plus** over the surface of the substrate with a low-pressure manual sprayer or by brush, making sure it penetrates deep down into the substrate, and wait a few minutes while it reacts. Remove the mould with a stiff brush. Repeat this operation several times if necessary one after the other, making sure **Silancolor Cleaner Plus** penetrates deep down into the substrate. Seal all cracks and repair any damaged or deteriorated areas.

Seal surface pores and level off uneven areas on the substrate with mortar and smoothing compound from the MAPEI Building Products line.

On the dry cured substrate, apply a coat of **Silancolor Primer Plus**, **Malech** or **Dursilite Base Coat**.

If **Malech** or **Silancolor Primer Plus** are used, depending on the type of substrate (cementitious, gypsum or lime-based) and its absorbency, we recommend diluting them with water so they do not leave a "glassy" finish. As a general rule, we recommend diluting **Malech** at a rate of 2/1 and **Silancolor Primer Plus** at a rate of 1/1 with water for use on more absorbent surfaces. For less absorbent surfaces, dilute **Malech** 1/1 with water and use **Silancolor Primer Plus** as it is.

For bright colours that normally have poor covering properties (such as bright red, yellow or green), use **Dursilite Base Coat** in the same colour instead of **Malech**

and **Silancolor Primer Plus**. If **Malech** or **Silancolor Primer Plus** (colourless) are used, we recommend mixing them with 30% of **Dursilite Plus** in the same colour as the finish after diluting them as described above, so that it is easier to see where the primer has been applied and to partially cover the substrate.

12-24 hours after applying the primer, apply **Dursilite Plus**.

Preparation of the product

Dilute **Dursilite Plus** with 15%-20% of water, making sure it is thoroughly blended. Use a drill at low-speed for blending if necessary. When preparing only partial quantities, we recommend mixing **Dursilite Plus** as is in its original container before pouring off the quantity required.

Application of the product

Apply **Dursilite Plus** with a brush, roller or by spray over the dry primer.

The cycle comprises the application of at least two coats of **Dursilite Plus** at a distance of 24 hours between each coat under normal conditions.

For particularly "clean", bright colours (such as red, yellow, orange or green), a third coat may be required over the two coats normally applied.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply at temperatures lower than +5°C.
- Do not apply if the level of humidity is higher than 85%.
- Do not apply on external surfaces exposed to rain or direct sunlight.
- Do not apply on damp substrates or on substrates that are not well cured.

Cleaning

Brushes, rollers and other tools used to apply **Dursilite Plus** may be cleaned with water before the paint dries.

CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate, the colour applied and the tools used for applications. Under normal conditions consumption is 0.3 ÷ 0.4 kg/m² (for two coats of product).

PACKAGING

Dursilite Plus is supplied in 5 kg and 20 kg plastic drums.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Dursilite Plus is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. It is recommended to use protective gloves and



Application of the primer (use preferably **Silancolor Primer Plus**)



Application of **Dursilite Plus**



Application of **Dursilite Plus** with a roller

Dursilite Plus



goggles and to take the usual precautions for handling chemicals. If the product is applied in closed areas make sure they are well ventilated.

For further and complete information about the safe use of our product please refer to the latest version of our 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 website www.mapei.com



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



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