



**MAPEI**

# Dursilite

**Washable water-based  
paint for internal walls**



**HIGH WASHABILITY**

**LOW DIRT PICK-UP**

## **WHERE TO USE**

For painting all types of new, old and painted internal surfaces where an attractive finish with a smooth, velvety, matt surface is required. The product has low dirt pick-up and a high whiteness level.

To paint partially-covered external surfaces protected against direct sunlight and rain.

The product's special formulation makes it particularly suitable for painting all types of cementitious, lime and gypsum substrates which require a high degree of long-lasting protection and excellent permeability to water vapour which are easy to clean.

## **Some application examples**

- Painting all types of internal walls and new, well-cured or old cementitious, lime and gypsum render and smoothing and levelling compounds, as long as they are regular, well-bonded and have no flaky or crumbly areas.
- Painting old and new external cementitious surfaces, including those already painted, as long as they are not exposed to particularly aggressive climatic conditions (such as the back-face of balconies, stair wells, pillars and ceilings below covered areas, flat roofs, balconies and internal parapets on terraces).

## **TECHNICAL CHARACTERISTICS**

**Dursilite** is a modified acryl resin-based washable matt paint in water dispersion with selected charges with good covering properties and a high whiteness level for internal walls.

When applied on internal surfaces, **Dursilite** bonds perfectly to all types of masonry, render, smoothing and



TECHNICAL DATA (typical values)	
<b>PRODUCT IDENTITY</b>	
<b>Consistency:</b>	pasty liquid
<b>Colour:</b>	white, in colours from the MAPEI colour chart range or in various colours obtained using the <b>ColorMap</b> ® automatic colouring system
<b>Density (EN ISO 2811-1) (g/cm³):</b>	approx. 1.50
<b>Dry solids content (EN ISO 3251) (%):</b>	approx. 65
<b>APPLICATION DATA</b>	
<b>Dilution ratio:</b>	15-20% of water
<b>Recoat time:</b>	6-12 hours, according to temperature and humidity and, in any case, when the previous coat is completely dry
<b>Application temperature:</b>	from +5°C to +35°C
<b>Consumption (kg/m²):</b>	0.3-0.4 (two coats)
<b>FINAL PERFORMANCE</b>	
<b>VOC emissions in an environmental simulation chamber after 28 days (white) (ISO 16000) (mg/m³):</b>	< 0.8
<b>VOC content of ready-mixed product (white) (European Directive 2004/42/EC) (g/l):</b>	≤ 15
<b>VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC) (g/l):</b>	≤ 25
<b>Vapour diffusion resistance coefficient (EN ISO 7783) (μ):</b>	40
<b>Resistance to the passage of vapour of a 0.15 mm thick dry coat S<sub>D</sub> (EN ISO 7783) (m):</b>	0.006
<b>EN 13300 CLASSIFICATION</b>	
<b>Hiding power at spreading rate of 6,7 m²/l EN ISO 6504-3:</b>	> 99.5% (class 1)
<b>Wet scrub resistance 200 cycles EN ISO 11998:</b>	13 microns (class 2)
<b>Specular gloss 85° EN ISO 2813:</b>	< 10 (matt)
<b>Largest grain size EN 21524:</b>	< 100 microns (fine)

levelling compounds and old paintwork, as long as it is well attached and is not crumbling.

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

**Dursilite** 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, sound and dry.

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

Seal all cracks and repair areas which are deteriorated.

Seal the porosity and smooth over uneven areas on the substrate with mortars and skimming compounds from the MAPEI Building line.

Apply **Malech** or **Dursilite Base Coat**.

Dilute **Malech** with water according to the type of substrate (cementitious, gypsum or lime based); as a general rule, it is suggested a dilution **Malech**/water in a ratio of 1/1 for more absorbent substrates and 1/2 for less absorbent substrates, in order to avoid the forming of a glassy film on the wall surface.

Apply **Dursilite Base Coat** white or colored in a shade similar to the final color, particularly in case of bright colors that normally have poor covering properties (such as bright red, yellow or green).

Wait until **Malech** or **Dursilite Base Coat** are completely dry (6-12 hours) and apply **Dursilite**.

### Preparation of the product

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

### Application of the product

Apply **Dursilite** with a brush, a roller or by spray on a dry coat of **Malech** or **Dursilite Base Coat** primer.

The cycle comprises the application of at least two coats of **Dursilite** with a recoat time of 6-12 hours, according to humidity and temperature and, in any case, when the previous coat is completely dry.

## PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply if the temperature is 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 which are not fully cured.

## Cleaning

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

## CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate, by the colour applied and according to the application technique used. Under normal conditions, consumption is generally 0.3-0.4 kg/m<sup>2</sup> (for two coats of the product).

## PACKAGING

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

## STORAGE

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

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Dursilite** is not considered hazardous according to current norms and regulations regarding the classification of mixtures. However, we recommend wearing protective gloves and goggles and taking the usual precautions for handling chemical products. If the product is applied in closed environments, make sure the area is 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](http://www.mapei.com)



**Our Commitment To The Environment**  
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



**Dursilite**



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