



**MAPEI**

# Quarzolite Paint

**Acrylic paint with micro quartz for internal and external application**

**SMOOTH FINISH**

**HIGH DURABILITY**



## WHERE TO USE

For painting all old and new surfaces which have already been painted, where both an attractive finish and a long-lasting, protective coat against environmental aggression and sunlight are required.

### 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 solid.
- Painting over old paints and old plastic or mineral coating materials which are well bonded to the substrate.

## TECHNICAL CHARACTERISTICS

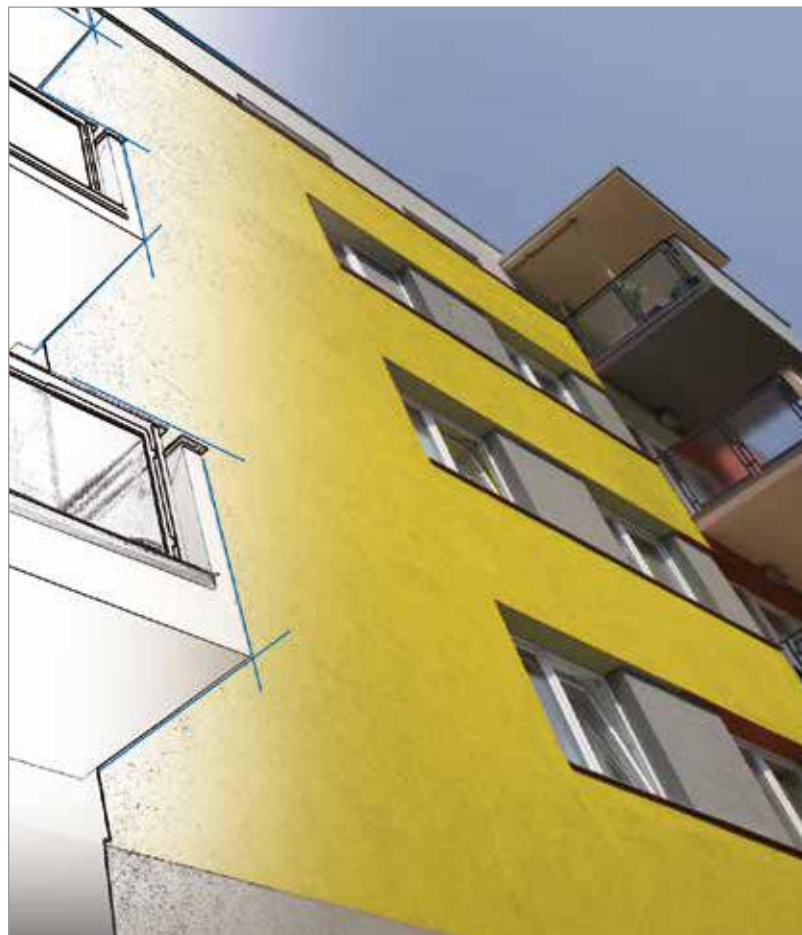
**Quarzolite Paint** is a paint for internal and external walls, made up of acrylic resin in water dispersion and super-fine quartz.

**Quarzolite Paint** 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.

**Quarzolite Paint** bonds perfectly to all types of renders and to old, well-bonded paints, after being treated with **Malech**.

Use **Quarzolite Base Coat** instead of **Malech** for poor coverage paints.

**Quarzolite Paint** is also suitable for internal use on gypsum or old painted surfaces if they are well-bonded and sound, and after being treated with **Malech**.



TECHNICAL DATA (typical values)	
<b>PRODUCT IDENTITY</b>	
Consistency:	dense liquid
Colour:	white, in colours from the MAPEI colour chart range or in various colours obtained using the <b>ColorMap®</b> automatic colouring system
Density (EN ISO 2811-1) (g/cm <sup>3</sup> ):	approx. 1.55
Dry solids content (EN ISO 3251) (%):	approx. 66
Brookfield viscosity (mPa·s):	approx. 18,000 (rotor 6 - rpm 10)
<b>APPLICATION DATA</b>	
Dilution ratio:	15-20% of water
Waiting time between coats:	minimum of 24 hours in normal humidity and temperature conditions, and always with a completely dry substrate
Application temperature range:	+5°C to +35°C
Coverage (kg/m <sup>2</sup> ):	0.3 to 0.4 (two coats)
<b>FINAL PERFORMANCE DATA</b>	
VOC content of ready-mixed product (white) (European Directive 2004/42/EC) (g/l):	≤ 5
VOC content of ready-mixed product (coloured) (European Directive 2004/42/EC) (g/l):	≤ 20
Colour variation after 800 hours exposure to a Weather-Ometer (blue colour) (ASTM G 155 cycle 1):	ΔE < 2
Resistance to passage of vapour relative to a 0.1 mm-thick dry coat S <sub>D</sub> (EN ISO 7783) (m):	0.09
Capillary action water absorption coefficient W (EN 1062-3) [kg/(m <sup>2</sup> ·h <sup>0.5</sup> )]:	0.58
CO <sub>2</sub> diffusion resistance coefficient μ (EN 1062-6):	342819
Resistance to passage of CO <sub>2</sub> relative to a 0.15 mm thick dry coat S <sub>D</sub> (EN 1062-6) (m):	51
<b>EN 13300 CLASSIFICATION</b>	
Hiding power at spreading rate of 10 m <sup>2</sup> /l EN ISO 6504-3:	> 93% class 4
Wet scrub resistance 200 cycles EN ISO 11998:	< 5 micron class 1
Specular gloss 85° EN ISO 2813:	0.6 dead-matt
Fineness of grind EN 21524:	< 100 micron fine

**Quarzolite Paint** protects the substrate and gives it a uniform, attractive appearance with a slightly rough finish. It is available in a wide range of colours which may be obtained using the **ColorMap®** automatic colour system.

#### RECOMMENDATIONS

- Do not apply **Quarzolite Paint** on damp substrates, or substrates which are not cured.
- Do not apply **Quarzolite Paint** 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 **Quarzolite Paint** if the humidity level is higher than 85%.
- Do not apply **Quarzolite Paint** if it is about to rain or in windy weather.
- Please refer to the "Safety instructions for preparation and application".

#### APPLICATION PROCEDURE

##### Preparation of the substrate

New surfaces or surfaces which have been patched with mortar must be well cured, perfectly clean, sound and dry. Completely remove all traces of oil or grease from the surface and also parts which are not well attached.

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 irregular parts in the substrate.

Apply **Malech** (ready-to-use) and, after 12-24 hours, apply the **Quarzolite Paint**.

##### Preparation of the product

Dilute **Quarzolite Paint** with 15-20% water, making sure that it is well mixed together. If possible, use a low-speed drill to help with mixing.

If only partial quantities are to be prepared, make sure that the **Quarzolite Paint** is well mixed in its original container before pouring off the quantity required.

##### Application of the product

**Quarzolite Paint** is applied using traditional methods with a brush, a roller or with a spray gun on top of a coat of dry **Malech** primer. For bright colours with poor covering properties, use **Quarzolite Base Coat** or **Dursilite Base Coat** of the same colour instead of **Malech**. If you decide to use **Malech** (colourless), we recommend diluting it with 20-30% of **Quarzolite Paint** 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.

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

#### Cleaning

Brushes, rollers and tools used for applying the product may be cleaned with water before **Quarzolite Paint** has dried.

#### CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate, by the colour of the paint 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

**Quarzolite Paint** is supplied in 20 kg and 5 kg plastic drums.

#### STORAGE

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

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Quarzolite Paint** is not considered dangerous according to the current regulations regarding the classification of mixtures. We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemicals. If the product is applied in a closed area, make sure that it 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)



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



**Quarzolite**  
Paint



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