



Quarzolite Paint

Acrylic water dispersion based paint with super-fine quartz used for protecting and decorating internal and external surfaces



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.

Typical 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 dressing 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**.

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 +10°C.
- Do not apply **Quarzolite Paint** if the humidity level is higher than 85%.
- Do not apply **Quarzolite Paint** if rain is forecast, in windy weather or under direct sunlight.
- Please refer to the "Safety instructions for preparation and application".

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	dense liquid
Colour:	white, available in a wide range of colour tones that can be obtained with the ColorMap® automatic colouring system
Density (g/cm³):	1.55
Brookfield viscosity (mPa·s):	18,000 (rotor 6 - rpm 20)
Dry solids content (%):	66
Storage:	24 months in original sealed 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 packaging and Safety Data Sheet
Customs class:	3209 1000 00
APPLICATION DATA	
Dilution ratio:	10-15% of water
Dust dry:	20 to 30 minutes
Waiting time between coats:	12 hours
Drying time:	24 hours
Application temperature range:	+8°C to +35°C
Coverage (kg/m²):	0.3 to 0.4 for two coats
FINAL PERFORMANCE DATA	
Wet abrasion (DIN 53778):	> 5000 cycles
Colour variation after 800 hours WOM exposure (blue colour):	$\Delta E < 2$
Resistance of water vapour diffusion of 100 µm thick layer as meter thick layer of air (Sd) (DIN 52615) (m):	0.04
Determination of water absorption coefficient through capillaries (W) (DIN 52617) in kg/(m²·h ^{0.5}):	1.21

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 10-15% 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.

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.

To make the application of **Malech** (transparent) easier, we recommend that it is diluted with 20-30% of the same colour of **Quarzolite Paint** to be applied. This will make it easier to recognise the parts where the primer has been applied, and there is the further advantage that the coat of primer applied partially covers the surface.

As an alternative **Quarzolite Base Coat** may be applied in the same coloured coat.

Cleaning

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

CONSUMPTION

0.3-0.4 kg/m² (it refers to 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 a dangerous substance according to current norms and regulations regarding the classification of substances. Wear protective gloves and goggles. 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.

The Safety Data Sheet is available upon request for professional users.

PRODUCT FOR PROFESSIONALS.

WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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

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