

# Quarzolite Base Coat

**Coloured acrylic resin-based primer paint in water dispersion with high filling properties, for evening out surfaces**



## WHERE TO USE

- Base filling layer for new, well-cured render before applying layered finishing materials from the **Quarzolite** range.
- Base evening and filling layer for old render, if not excessively deteriorated or crumbly, before applying layered finishing materials from the **Quarzolite** range.
- Base layer on old paintwork, including paintwork which is slightly flaky, before applying layered finishing materials from the **Quarzolite** range.
- Base layer with the same colour as the final layer, to help cover the final layer of paint or layered finishing material in bright, lively colours, which are clean and only offer partial covering.

## Some application examples

**Quarzolite Base Coat** is used to prepare the base layer on cementitious surfaces before applying the final colouring coat, to regulate absorption of the substrate and improve bonding.

**Quarzolite Base Coat** is indispensable when “scratch-effect” finishes are applied, to avoid the substrate showing through the more transparent part.

**Quarzolite Base Coat** may be used to even out the surface, by creating an even finish and by covering small imperfections.

When applied in white, or in a colour similar to the final coat, it helps to integrate the final coat particularly when bright, lively colours are applied, which do not usually have good covering properties.

## TECHNICAL CHARACTERISTICS

**Quarzolite Base Coat** is a coloured silicone resin-based paint in water dispersion, with micro-granular quartz and selected charges. It is used to even out the absorption of the substrate and promote bonding of successive coats of paint and layered finishing materials from the **Quarzolite** range.

Surfaces treated with **Quarzolite Base Coat** have a uniformly rough finish, which makes it easier to apply layered finishing materials, particularly when applied by trowel. This results in a more even distribution of the finishing material over the entire surface.

**Quarzolite Base Coat** is available in a wide range of colours, created using the **ColorMap®** automatic colouring system.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Appearance:	thick liquid
Colour:	available in a wide range of colours, created using the <b>ColorMap®</b> automatic colouring system
Viscosity at supply (mPa·s):	17,000 ± 1,000
Dry solids content (%):	65 ± 2
Density (g/cm³):	1.68 ± 0.02
Storage:	24 months in original packaging in a dry place
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
APPLICATION DATA (at +23°C - 50% R.H.)	
Preparation:	ready for use, or diluted with 5-10% water
Consumption (kg/m²):	0.4-0.5 per coat
Drying:	in open air
Ready for painting over:	12-24 hours
FINAL PERFORMANCES	
Vapour diffusion resistance coefficient (μ) (UNI EN ISO 7783):	428
Resistance to passage of vapour relative to a 0.15 mm-thick dry layer Sd (m) (UNI EN ISO 7783):	0.06
Capillary action water absorption coefficient W <sub>24</sub> [kg/(m²h <sup>0.5</sup> )] (UNI EN 1062-3):	0.53

## APPLICATION PROCEDURE

### Preparation of the substrate

New surfaces or surfaces patched up with repair mortar must be 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 and repair any deteriorated areas.

Seal off the porosity and smooth off any uneven parts in the substrate.

### Preparation of the product

**Quarzolite Base Coat** may be used neat, or diluted with 5-10% water. Make sure that the product is well blended, and use a low speed drill if possible for blending.

If only a part of the product is to be prepared, mix the **Quarzolite Base Coat** in its original container before pouring off the quantity required.

### Application of the product

Mix **Quarzolite Base Coat** well before use, and apply it using conventional techniques with a brush, a roller or by spray.

A single coat of **Quarzolite Base Coat** is usually sufficient to prepare the substrate. However, if the substrate is particularly uneven, a second coat may be required.

Protect from rain for at least 12 hours.

**Quarzolite Base Coat** may be painted over after 12-24 hours.

## RECOMMENDATIONS

- Do not use **Quarzolite Base Coat** on metal surfaces.
- Do not apply **Quarzolite Base Coat** if the temperature is lower than +10°C.
- Do not apply **Quarzolite Base Coat** if the humidity is higher than 85%.
- Do not apply **Quarzolite Base Coat** on damp or partially-cured substrates.
- Do not apply **Quarzolite Base Coat** if rain is forecast, in windy weather or under direct sunlight.
- Please refer to the "Safety instructions for preparation and application" section.

## Cleaning

Clean **Quarzolite Base Coat** from brushes, rollers and spraying equipment before it dries with water.

## CONSUMPTION

0.4-0.5 kg/m<sup>2</sup> per coat.

Consumption is heavily influenced by the roughness of the substrate and by imperfections on the surface, and according to the application technique used.

## PACKAGING

**Quarzolite Base Coat** is available in 20 kg plastic drums.

## STORAGE

**Quarzolite Base Coat** may be stored for up to 24 months in its original packaging, if kept away from sources of heat and at a temperature between +5°C and +30°C.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Quarzolite Base Coat** is not considered a dangerous substance according to current standards and regulations regarding the classification of preparations. However, the use of protective gloves and goggles and the application of the usual precautions taken when handling chemical products are recommended. The Safety Data Sheet is available upon request for professional users.

PRODUCT FOR PROFESSIONAL USE.

## 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](http://www.mapei.com)**

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