



**MAPEI**



# Quarzolite Tonachino

**Acrylic plaster  
for internal and external  
application**

**GOOD PROTECTION**

**HIGH FILLING PROPERTIES**

## WHERE TO USE

Acrylic resin-based wall plaster with a rustic effect for internal and external applications. Used to decorate and to offer good protection to walls and to even out surface imperfections. May be used to protect and decorate any kind of building, even those which are already painted.

### Some application examples

- Decorating all types of cementitious or lime-based render.
- Walls smoothed over with all smoothing products from the MAPEI range.
- Decorating old, well-bonded paintwork.
- Decorating concrete walls.

## TECHNICAL CHARACTERISTICS

**Quarzolite Tonachino** is a flexible fibroreinforced, single-spread plaster with a rustic finish, for internal and external application, made from acrylic resin in water dispersion, quartz and light-resistant pigments.

**Quarzolite Tonachino** contains synthetic fibres for good crack resistance.

**Quarzolite Tonachino** is resistant to all climatic conditions and the aggressive attack of smog, salt and sunlight.

**Quarzolite Tonachino** bonds perfectly to all types of traditional renders and to old, well-bonded paintwork.



# Quarzolite Tonachino



Example of application of Quarzolite Tonachino in a private building in Figueras, Spain



Close-up of the product in the above application - Figueras, Spain

**Quarzolite Tonachino** protects the substrate and gives it a uniform, attractive appearance with a rustic finish. Apart from the colours available from the “Colour choice” colour chart, it is also available in a wide range of colours obtained using the **ColorMap®** automatic colouring system.

**Quarzolite Tonachino** is also suitable for internal use on gypsum or old painted surfaces if well-bonded and sound, after treatment with **Malech** or **Quarzolite Base Coat**. In the case of old, well-bonded painted surfaces, assess whether **Malech** or **Quarzolite Base Coat** are really required.

**Quarzolite Tonachino** complies with the requirements of EN 15824 (“Specifications for external renders and internal plasters based on organic binders”) for internal and external use.

## RECOMMENDATIONS

- Do not apply **Quarzolite Tonachino** on damp substrates, or on substrates which are not well cured.
- Do not apply **Quarzolite Tonachino** on de-humidifying render.
- Do not apply **Quarzolite Tonachino** at temperatures lower than +5°C and higher than +35°C.
- Do not apply **Quarzolite Tonachino** if the humidity level is higher than 85%.
- Do not apply **Quarzolite Tonachino** if it is about to rain, in windy weather or if there is direct sunlight.
- Please refer to the “Safety instructions for preparation and application” section.

## APPLICATION PROCEDURE

### Preparation of the substrate

New surfaces or surfaces patched up with repair mortar must be cured, perfectly clean, even and dry.

Remove all traces of oil and grease and parts which are not well bonded to the surface. Seal any cracks which are present in the substrate and repair areas which are in poor condition.

Seal porosity and level off uneven areas on the substrate with a mortar and smoothing compound from the MAPEI Building products range.

Apply **Malech** (ready to use) or **Quarzolite Base Coat** and let them dry for 12 to 24 hours before applying **Quarzolite Tonachino**.

To make it easier to apply 1.2 mm, 1.5 mm and 2.0 mm grain size **Quarzolite Tonachino** and to improve its covering properties, **Malech** may be applied after diluting it with 30-50% of the same colour of **Quarzolite Paint**, or with a similar coloured coat of **Quarzolite Base Coat**.

## Preparation of the product

**Quarzolite Tonachino** is supplied ready for use and just needs to be thoroughly mixed with a drill at low-speed. If required, 1-2% of water may be added if the product has thickened.

## Application of the product

Apply **Quarzolite Tonachino** with a stainless steel or plastic trowel on **Malech** or on the dried **Quarzolite Base Coat**. The protection cycle also includes the application of a coat of **Quarzolite Tonachino**. Dependant on the grain size of **Quarzolite Tonachino** and the roughness of the substrate, two coats may be applied to form a perfectly even finish. Apply the second layer after 24 hours, making sure that both layers are spread on evenly. Then smooth the surface with a plastic float with a rotary movement, and vertically and horizontally, to create the finish required. As an alternative, a damp sponge float may be used while the product is still drying to create a more rustic finish. A number of effects may be obtained using **Quarzolite Tonachino** (such as, brushed finish, bass-relief finish, etc.) as illustrated in the “MAPEI colours in design” pamphlet.

## Cleaning

**Quarzolite Tonachino** may be cleaned off from trowels and other tools with water before it dries.

## CONSUMPTION DEPENDANT ON GRAIN SIZE

- **Quarzolite Tonachino** 0.7 mm: 1.7-2.0 kg/m<sup>2</sup> for a complete cycle;
- **Quarzolite Tonachino** 1.2 mm: 1.9-2.3 kg/m<sup>2</sup> for a complete cycle;
- **Quarzolite Tonachino** 1.5 mm: 2.2-2.6 kg/m<sup>2</sup> for a complete cycle;
- **Quarzolite Tonachino** 2.0 mm: 2.6-3.0 kg/m<sup>2</sup> for a complete cycle.

For all versions, consumption is greatly influenced by the roughness of the substrate.

## PACKAGING

**Quarzolite Tonachino** is supplied in 20 kg plastic drums.

## STORAGE

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

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Quarzolite Tonachino** is not hazardous according to the ruling norms on the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemical products. If the product is applied in a closed area, make sure that it is well ventilated.

## TECHNICAL DATA (typical values)

Complies with the following standard:

- product certified according to EN 15824 (Specifications for external renders and internal plasters based on organic binders), conformity certification system 3 (also for applications subject to reaction to fire regulations).
- type according to EN 15824: water-based product for internal and external use

### PRODUCT IDENTITY

Appearance:	paste
Colour:	white, from the MAPEI colour chart range or in various colours obtained using the <b>ColorMap®</b> automatic colouring system
Density (g/cm³):	1.65-1.95 (depending on grain size)
Dry solids content (%):	ca. 85
Viscosity (mPa·s):	60,000-80,000 (depending on grain size)
Grain size:	0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm

### APPLICATION DATA

Dilution:	ready-to-use (may be diluted with 1-2% of water)
Application:	plastic or stainless steel trowel
Consumption (kg/m²):	1.7-3.0 (depending on grain size)
Drying:	in open air
Ready for painting:	12-24 hours

### PERFORMANCE CHARACTERISTICS FOR CE CERTIFICATION ACCORDING TO EN 15824-2 TEXTURED COATINGS FOR INTERNAL AND EXTERNAL USE BASED ON ORGANIC BINDERS

Standard	Test	RESULTS AND COMPLIANCE WITH THE REQUIREMENTS				
		Grain sizes	0.7 mm	1.2 mm	1.5 mm	2.0 mm
EN ISO 7783-2	water vapour permeability	S <sub>D</sub> (m)	0.18	0.18	0.18	0.19
		consumption related to S <sub>D</sub> (kg/m²)	2.0	2.3	2.5	2.7
		result/class	V2 (0.14 ≤ S <sub>D</sub> < 1.4 m)			
EN 1062-3	water absorption	w [kg/(m²·h <sup>0.5</sup> )]	0.08	0.09	0.09	0.10
		result/class	W3 (w ≤ 0.1 [kg/(m²·h <sup>0.5</sup> )]			
EN 1542	adhesion	adhesion (N/mm²)	2.02	0.97	1.35	1.11
		type of breaking	A/B	A/B	A/B	A/B
		result/class	complying (≥ 0.3 MPa)			
EN 13687-3	durability	number of cycles	20	20	20	20
		final adhesion (N/mm²)	2.50	2.00	2.04	1.35
		type of breaking	A/B	A/B	A/B	A/B
		alterations	no	no	no	no
		result/class	complying (≥ 0.3 MPa)			
EN 1745	thermal conductivity	result/class	0.93 W/mK (tab value, P = 90%, related to the reference dry density of 1800 kg/m³)		1.28 W/mK (tab value, P = 90%, related to the reference dry density of 2000 kg/m³)	
EN 13501-1	reaction to fire	result/class	A2-s1,d0			



# Quarzolite Tonachino



For further and complete information about a safety use of our product please refer to our latest version of the 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)**

(GB) A.G. BETA

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

2010-10-2012