

# 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. May be 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

- Decoration and protection of all cement or lime-based renders.
- Decoration and protection of the **Mapetherm System** and all exterior wall insulation systems in general.
- Coating of well bonded old paintwork, old acrylic or mineral plasters.

## 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 types of climatic conditions, aggression from smog, saltwater and sunlight and forms a hard-wearing, protective layer on substrates which resists over time.

**Quarzolite Tonachino** bonds perfectly to all types of conventional render and to old, well-bonded paintwork or coatings.

**Quarzolite Tonachino** gives the substrate an attractive rustic finish and is available in a wide range of colours obtained using the **ColorMap**<sup>®</sup> automatic colouring system.

**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** 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.
- Do not apply **Quarzolite Tonachino** to decorate de-humidifying renders.

- In case of surfaces particularly exposed to the degrading action of algae, mould or fungi, choose **Quarzolite Tonachino Plus**, acrylic mould-resistant plaster.

## 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** or **Quarzolite Base Coat** on the dry and cured substrate. After 12-24 hours apply **Quarzolite Tonachino**. To ease the laying of the 1.2 mm, 1.5 mm and 2 mm coatings and to improve the hiding power, the use of coloured **Quarzolite Base Coat** is recommended

### 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 the dry layer of **Malech** or **Quarzolite Base Coat**.

The product can also be applied by spray with suitable equipment.

The protection cycle requires the application of one coat of **Quarzolite Tonachino**.

Spread the product in a uniform layer and level with a plastic trowel to create an even finish or use a damp sponge float to obtain the desired final effect.

According to the Tonachino grain size and the roughness of the substrate, the application can be carried out in two layers, to reach a perfectly homogeneous finish.

**Quarzolite Tonachino** dries thanks to the physical process of water evaporation; in normal environmental conditions the product reaches complete drying in about 10 days. In the event of rain or high humidity, normal drying times increases; it is recommended to provide adequate protective measures (e.g. scaffold sheeting) to avoid imperfections on the façade.

## 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: 3.0-3.5 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 25 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

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website [www.mapei.com](http://www.mapei.com).

PRODUCT FOR PROFESSIONAL USE.

## 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), 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

Consistency:	paste
Colour:	white, from the MAPEI colour chart range or in various colours obtained using the <b>ColorMap</b> <sup>®</sup> automatic colouring system
Density (EN ISO 2811-1):	1.65-1.95 g/cm <sup>3</sup> (depending on grain size)
Dry solids content by weight (EN ISO 3251):	ca. 85%
Grain size:	0.7 mm; 1.2 mm; 1.5 mm; 2.0 mm

### APPLICATION DATA

Dilution rate:	ready-to-use
Consumption:	1.7-3.5 kg/m <sup>2</sup> (depending on the grain size)
Recoat-time:	12-24 hours in function of humidity and temperature conditions and, in any case, only when the previous layer is completely dry
Application temperature range:	from +5°C to +35°C

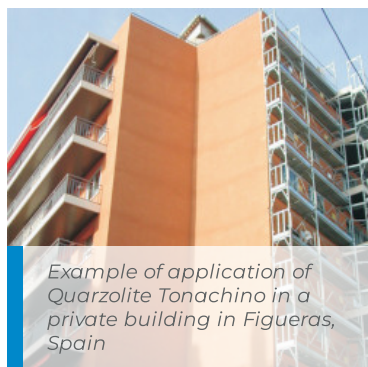
### FINAL PERFORMANCE

VOC content of ready-mixed product (white) (European Directive 2004/42/EC):	≤ 20 g/l
VOC content of ready-mixed product (colored) (European Directive 2004/42/EC):	≤ 30 g/l

### PERFORMANCE CHARACTERISTICS FOR CE CERTIFICATION ACCORDING TO EN 15824 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	water vapour permeability	S <sub>D</sub> (m)	0.18	0.18	0.18	0.25

		consumption related to $S_D$ (kg/m <sup>2</sup> )	2.0	2.3	2.5	3.5
		result/class	<b>V2 (<math>0.14 \leq S_D &lt; 1.4</math> m)</b>			
EN 1062-3	water absorption	$w$ [kg/(m <sup>2</sup> ·h <sup>0.5</sup> )]	0.08	0.09	0.09	0.10
		result/class	<b>W3 (<math>w \leq 0.1</math> [kg/(m<sup>2</sup>·h<sup>0.5</sup>)])</b>			
EN 1542	adhesion	adhesion (N/mm <sup>2</sup> )	2.02	0.97	1.35	1.11
		type of breaking	A/B	A/B	A/B	A/B
		result/class	<b>complying (<math>\geq 0.3</math> MPa)</b>			
EN 13687-3	durability	number of cycles	20	20	20	20
		final adhesion (N/mm <sup>2</sup> )	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	<b>complying (<math>\geq 0.3</math> MPa)</b>			
EN 1745	thermal conductivity	result/class	<b>0.89 W/mK</b> (tab value, P = 90%, related to the reference dry density of 1800 kg/m <sup>3</sup> )		<b>1.21 W/mK</b> (tab value, P = 90%, related to the reference dry density of 2000 kg/m <sup>3</sup> )	
EN 13501-1	reaction to fire	result/class	<b>A2-s1,d0</b>			



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



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

## 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)

## LEGAL NOTICE

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