

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

- 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

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

Quarzolute Tonachino contains synthetic fibres for good crack resistance.

Quarzolute 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 to the rigours of time.

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

Quarzolute Tonachino gives the substrate an attractive rustic finish and is available in a wide range of colours obtained using the **ColorMap®** automatic tinting system.

Quarzolute 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 **Quarzolute Tonachino** on damp substrates, or on substrates which are not well cured.
- Do not apply **Quarzolute Tonachino** at temperatures lower than +5°C and higher than +35°C.
- Do not apply **Quarzolute Tonachino** if the humidity level is higher than 85%.
- Do not apply **Quarzolute Tonachino** if it is about to rain, in windy weather or if there is direct sunlight.
- Do not apply **Quarzolute Tonachino** to decorate de-humidifying renders.
- In case of surfaces particularly exposed to the degrading action of algae, mould or fungi, choose **Quarzolute 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.

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/m² for a complete cycle;
 - **Quarzolite Tonachino** 1.2 mm: 1.9-2.3 kg/m² for a complete cycle;
 - **Quarzolite Tonachino** 1.5 mm: 2.2-2.6 kg/m² for a complete cycle;
 - **Quarzolite Tonachino** 2.0 mm: 3.0-3.5 kg/m² 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 dangerous according to the current rules on the classification of mixtures. It is recommended to wear protective gloves ad 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.
For further and complete information about a safety use of our product please refer to our latest version of the Safety Data Sheet.
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 ColorMap ® automatic colouring system



Density (EN ISO 2811-1) (g/cm³):		1.65-1.95 (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 (kg/m²):		1.7-3.5 (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) (g/l):		≤ 20				
VOC content of ready-mixed product (colored) (European Directive 2004/42/EC) (g/l):		≤ 30				
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 _D (m)	0.18	0.18	0.18	0.25
		consumption related to S _D (kg/m²)	2.0	2.3	2.5	3.5
		result/class	V2 (0.14 ≤ S _D < 1.4 m)			
EN 1062-3	water absorption	w [kg/(m²·h ^{0.5})]	0.08	0.09	0.09	0.10
		result/class	W3 (w ≤ 0.1 [kg/(m²·h ^{0.5})]			
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	0.89 W/mK (tab value, P = 90%, related to the reference dry density of 1800 kg/m ³)	1.21 W/mK (tab value, P = 90%, related to the reference dry density of 2000 kg/m ³)
EN 13501-1	reaction to fire	result/class	A2-s1,d0	



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

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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