

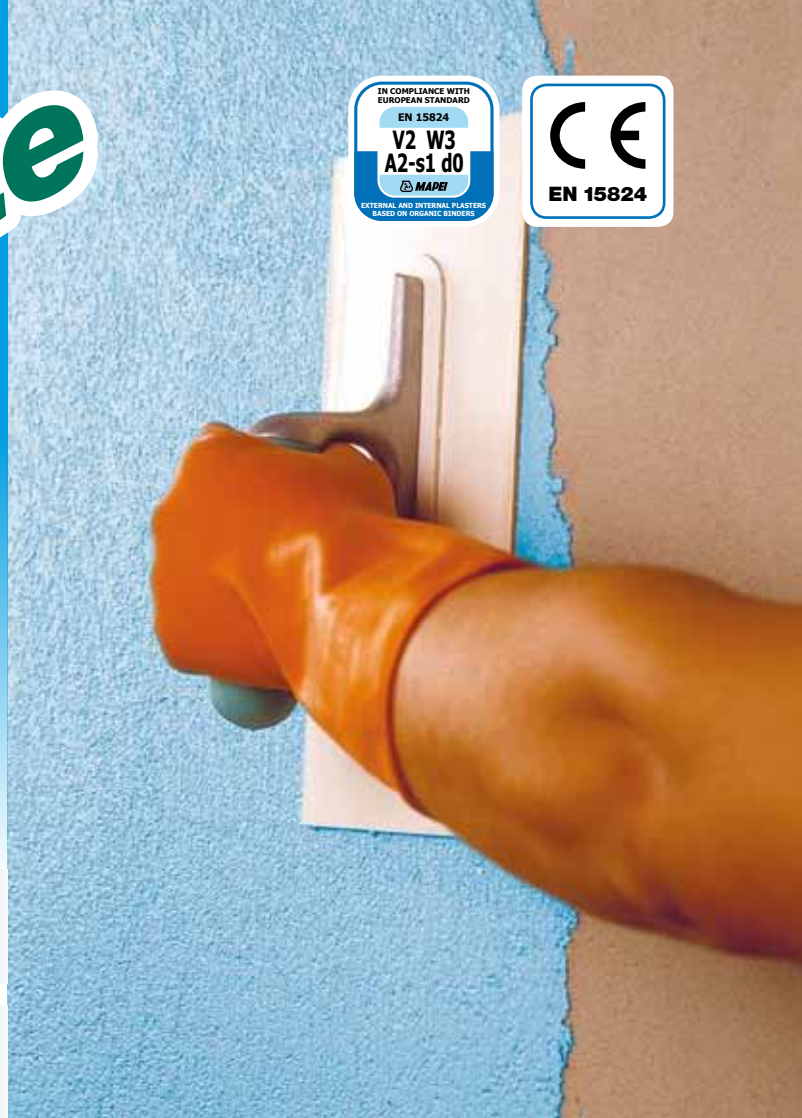


MAPEI



Quarzolite Graffiato

**Acrylic plaster with
scratch-effect for internal
and external application**



GOOD PROTECTION

EVEN OUTS SUBSTRATE DEFECTS

WHERE TO USE

Acrylic resin-based, scratch-effect wall plaster in paste form for internal and external applications, available in various grain sizes.

Used to decorate and offer good protection to walls, and to even out surface imperfections. May be used to protect and decorate any kind of building, including 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 (apply a test layer beforehand).
- Decorating concrete walls.

TECHNICAL CHARACTERISTICS

Quarzolite Graffiato is a flexible, fibre-reinforced single-spread coating with a scratch-effect finish for internal and external surfaces, made from acrylic resins dispersed in water, selected graded charges, quartz and light-resistant pigments.

Quarzolite Graffiato contains synthetic fibres for good crack resistance.

Quarzolite Graffiato is a product which is resistant



to all climatic conditions and the aggressive effects of smog, salt and sunlight.

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

Apart from its protective characteristics, **Quarzolite Graffiato** gives the substrate an attractive scratch-effect finish. It is available in colours from the "Colour Choice" colour chart and a wide range of colours obtained using the **ColorMap®** automatic colouring system.

Quarzolite Graffiato 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**. On old, well-bonded painted surfaces, assess whether **Malech** or **Quarzolite Base Coat** is required dependant on the absorbency of the substrate.

Quarzolite Graffiato 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 Graffiato** on damp or poorly-cured substrates.
- Do not apply **Quarzolite Graffiato** on de-humidifying render.
- Do not apply **Quarzolite Graffiato** if the temperature is less than +5°C or more than +35°C.
- Do not apply **Quarzolite Graffiato** if the humidity is greater than 85%.
- Do not apply **Quarzolite Graffiato** if rain is forecast, in windy weather or in 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, flat and dry.

Remove all traces of oil and grease and loose parts from the surface.

Seal any cracks which are present and repair any deteriorated areas.

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

Apply **Malech** or **Quarzolite Base Coat** and leave to dry for 12-24 hours before applying **Quarzolite Graffiato**. To make it easier to apply **Quarzolite Graffiato** and improve its covering properties, the coat of **Malech**

may be diluted 30-50% with the same colour of **Quarzolite Paint** as used for the **Quarzolite Graffiato** coat, or a coat of **Quarzolite Base Coat** in the same colour.

Preparation of the product

Quarzolite Graffiato is supplied ready to use and just needs to be thoroughly mixed with a drill at low-speed, if necessary, may be diluted with 1-2% of water if the product is too viscous.

Application of the product

Apply **Quarzolite Graffiato** with a stainless steel or plastic trowel on the dry coat of **Malech** or **Quarzolite Base Coat**. The protection cycle includes the application of a coat of **Quarzolite Graffiato**. Dependant on the grain size of the **Quarzolite Graffiato** and the roughness of the substrate, two coats may be applied to obtain a perfectly even finish. A smoothing coat may be applied followed by a second coat after 24 hours. Both coats must be applied evenly, and must then be smoothed over with a plastic float to even out the surface and to get the final pattern required.

Cleaning

Quarzolite Graffiato must be cleaned from trowels and other tools with water before it dries.

CONSUMPTION ACCORDING TO GRAIN SIZE

- **Quarzolite Graffiato** 1.2 mm:
1.9-2.3 kg/m² at work completed;
- **Quarzolite Graffiato** 1.8 mm:
2.4-2.8 kg/m² at work completed.

In both versions, consumption depends largely on the roughness of the substrate.

PACKAGING

Quarzolite Graffiato 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 between +5°C and +30°C. Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Quarzolite Graffiato is not considered as hazardous according to current standards and regulations regarding the classification of mixtures. However, the use of protective gloves and goggles and the application of 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.

For further and complete information about the safe use of our product please refer to our latest version of the Material 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), 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
Density (g/cm ³):	1.7-1.8 (depending on the grain size)
Dry solids content (%):	approx. 85
Viscosity (mPa·s):	55,000-75,000 (depending on the grain size)

APPLICATION DATA

Dilution:	ready-to-use (may be diluted with 1-2% of water)
Application:	plastic or stainless steel trowel
Consumption (kg/m ²):	1.9-2.8 (depending on the grain size)
Drying:	in open air
Painting:	12-24 h

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	1.2 mm	1.8 mm
EN ISO 7783-2	water vapour permeability	S _D (m)	0.18	0.20
		consumption related to S _D (kg/m ²)	2.3	2.6
		result/class	V2 (0.14 ≤ S_D < 1.4 m)	
EN 1062-3	water absorption	w [kg/(m ² ·h ^{0.5})]	0.09	0.09
		result/class	W3 (w ≤ 0.1 [kg/(m²·h^{0.5})])	
EN 1542	adhesion	adhesion (N/mm ²)	0.81	0.90
		type of breaking	A/B	A/B
		result/class	complying (≥ 0.3 MPa)	
EN 13687-3	durability	number of cycles	20	20
		final adhesion (N/mm ²)	1.98	1.38
		type of breaking	A/B	A/B
		alterations	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/m ³)	
EN 13501-1	reaction to fire	result/class	A2-s1,d0	

Quarzolite Graffiato

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

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

