



arteMURI® QUARZ-ONE



Fine quartz finish for exterior surfaces.

Product description and fields of use

QUARZ ONE is a micro-decoration based on fine quartz, on acrylic copolymers in aqueous dispersion, color pigments resistant to light and to UV rays and selected siliceous fillers. The product has a high filling and covering power, it is very resistant to alkali, weathering and a low dirt retention. Moreover, it is very resistant to rubbing and washing.

QUARZ ONE is thus suitable for outdoor applications, on mortar plasters based on hydraulic lime-binder, premixed and traditional, finished and concrete conglomerates.

It is suitable for the exterior protection and decoration of new buildings and works of urban renovation.

QUARZ ONE may be tinted with the arteMURI tintometric system.

Advantages

- high resistance to rubbing and washing
- high resistance to weathering and UV rays
- easy application

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Technical specifications

Exterior wall surfaces, such as mortar plasters, based on hydraulic lime-binder, premixed and traditional and various kinds of concrete conglomerates can be finished with the filling, high-coverage and high-resistance to washing, acrylic, fine micro-decoration QUARZ ONE from Fornaci Calce Grigolin, product based on acrylic copolymers in watery dispersion, light-resistant pigments and selected inerts. The minimum consumption of this product is equal to 0,24 l/m² in two coats.

Consumption and packaging

QUARZ ONE is supplied in 5 l and 15 l. buckets.

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Rules on conservation

Avoid freezing temperatures. Store at temperatures between +5°C and +30°C in original sealed containers. Under these conditions, life of stored product is at least one year.

Surface preparation

New wall surfaces must be cured and dry from at least 4 weeks, clean, free from dust and loose parts.

Old supports must be consistent, free of salt efflorescence and poorly adherent parts, carefully cleaned according to nature and intensity of dirt deposited on the surfaces to be treated. To level and plaster imperfections such as holes, cracks or crannies, intervene first with appropriate restoration product or mortar. Clean up any mold or algae present with the SEI KO detergent and then sanitize the surface with the SEI OK sanitizer.

On already painted surfaces, check the conditions of the film and completely remove degraded paint, thick finishings and non-adherent paints.

Surface treatment

New plasters: apply a coat of UNO FIX or ONE MICRO.

Plasters with mineral paints (lime or silicates): apply a coat of solvent-based PRG SL, or ONE MICRO.

Plasters with synthetic paints (acrylic, siloxane): apply a coat of solvent-based PRG SL, or ONE MICRO. In case of walls which are already painted with a dark shade of colour, difficult to cover or with an irregular and uneven surface, make a pre-treatment with the structural UNI KA paint, with an average particle size of 0,3 mm.

Cement / concrete / fiber cement: apply a coat of solvent-based PRG SL, or ONE MICRO.

Product preparation

For brush applications, dilute with max. 30% by volume of water for the first coat and with max. 25% for the second one.

For roller applications, dilute with max. 15-20% by volume of water. In both cases, the product should be thoroughly mixed.

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.

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Application

Apply a first coat, taking care to distribute the product uniformly over the surface. After at least 10-12 hours, proceed with the application of the second coat, crossing the direction of application. Collect the necessary material for the execution of the work from the same lot. If different batches of product are used, mix them together to avoid formation of nuance differences. Avoid applying different product batches onto the same surface and finish the wall portion with the same batch, then start work on the cornering wall with a fresh batch of product. Immediately after use rinse tools and equipment with water.

Important warnings

Do not apply when ambient or surface temperature is below +5°C or above +35°C and with R.H. over 75%. Avoid application in the presence of surface condensation, under the direct action of the sun or strong wind. Product adhesion onto the surface is not guaranteed when the application is made on surfaces which show traces of saline efflorescence or which are subjected to humidity, which is why a preventive curing intervention is required.

Special warnings

Respect the climatic conditions of application indicated above and protect the surfaces from rain and humidity for at least 48 hours. This allows a complete drying of the product and regular polymerization, which takes place over a period of 8-10 days. If, in this interval, rainy events or high humidity occur (fog and / or superficial condensates, especially in the autumn), translucent drips could form. This phenomenon does not affect the quality of the product and can be eliminated by washing or waiting for subsequent precipitation.

Safety instructions

The product does not require hazard labeling according to existing regulations. Use the products according to existing standards of hygiene and safety. After use, do not disperse the containers into the environment. Allow residues time to dry and treat them as special waste. For more details, see safety sheet.

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TECHNICAL DATA	PERFORMANCES
Binder type	copolimeri acrylic
Texture	paste/rough/pigmented
Specific weight (UNI EN ISO 2811-1) 25°C±2	1.620 ± 20 g/l
Viscosità Brookfield (ASTM D2196) 25°C±2	20.000 ± 2.000 cP
Permeability to water vapor (UNI EN ISO 7783-2)	V= 278 g/m ² 24h - Class I (high permeability)
Thickness of the equivalent air layer (UNI EN ISO 7783-2)	Sd = 0,076 m
Permeability to liquid water (UNI EN 1062-3)	w ₂₄ = 0,19 kg/m ² h ^{0,5} - Class II (medium permeability)
Adequate for the protection of facades regarding the KUENZLE theory (DIN 18550) W < 0,5 kg/m ² *h ^{0,5} and Sd <2 m	Sd · w ₂₄ = 0,014 kg/m h ^{0,5}
Grain size (UNI EN ISO 1062-1)	< 0,16 mm
COV Content (DIR. 2004/42/CE)	Paint for exteriorwalls with mineral surfaces – A category EU limit values for sub-category c type BA 40 g/l (2010) This product contains a maximum of 40 g/l COV
Application	brush, roller
Consumption	approx. 200 g/m ² per coat (0,12 l/m ²)
Theoretical yield	4,1 m ² /l two coats
Decoration on the product	6-8 hrs.

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