arteMURI®
UNI-KA 2.0

Finitura strutturale acril-silossanica antialga a grana media.

Descrizione del prodotto e campi di impiego

UNI-KA is a microfiller coating based on acrylic copolymers and siloxanic resins in water dispersion, colored pigments resistant to light and UV rays and silica fillers with selected grain size. It has good resistance to alkalis, weathering, low dirt retention and a blend of innovative active biocides resistant to alkaline pH, washout and UV rays that counteracts the proliferation of mold, fungus and algae on the dry film of the product. In addition, it is easy to apply and has excellent filling power that gives the substrate good water repellency without compromising water vapor permeability.
UNI-KA is suitable for application on mortar based lime-hydraulic binder plasters, premixed and traditional, civil finished and on concrete conglomerates. In particular, it protects and decorates the external walls of new buildings and renovation works in urban construction. Moreover, it can be used in the pre-treatment of surfaces that are difficult to cover, irregular and not uniform, internally where you want to reproduce a rough effect, such as fine mortar, on smooth surfaces such as plasterboard, panels and concrete curbs.
UNI-KA can be tinted with the arteMURI tinting system.

Advantages

high resistance to rubbing and washing
primer and finish with filling and structural effect
retardant and protective film against the proliferation of mold, algae and fungi
high resistance to atmospheric agents and UV rays

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Specifications

The external wall surfaces, such as mortar-based plaster lime-hydraulic binder, premixed and traditional, finished civil and concrete conglomerates, can be finished with acrylic finish filler, high coverage and resistance to washing UNI-KA Fornaci Calce Grigolin, a product based on acrylic copolymers in water dispersion, lightfast pigments and fillers with selected grain size.
The minimum consumption of this product is 0.28 l/m2 for two coats.

Consumption and packaging

UNI-KA 2.0 is supplied in 5 l and 15 l packages.
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Conservation Standards

Protect from frost. Store at temperatures between +5°C and +30°C in the original sealed containers. Under these conditions the shelf life of the stored product is at least one year.

Substrate preparation

New substrates and/or any repairs (patches) must be cured by at least 4 weeks, clean and dry. Old substrates must be consistent, free of salt efflorescence and loose parts, thoroughly cleaned according to the nature and intensity of the dirt deposited on the surfaces to be treated. To level and fill imperfections such as holes, cracks or crevices, first intervene with a suitable product or repair mortar. Clean up any mold or algae and then sanitize the surface with SEI OK restorer.
On already painted surfaces, make sure of the condition of the film: brush and/or scrape the detaching film, completely remove high layers of non-adherent paints.

Substrate treatment

New plasters: apply one coat of UNO FIX or ONE MICRO.
Plasters with mineral paints (lime or silicates): apply one coat of PRG SL solvent-based fixing agent or ONE MICRO.
Plasters with synthetic paints (acrylic, siloxanic): apply one coat of PRG SL or ONE MICRO solvent-based fixing agent.
Cement/concrete/fibrocement: apply one coat of PRG SL or ONE MICRO solvent-based fixing agent.
New plaster/plasterboard: apply one coat of UNO FIX or ONE MICRO.
Gypsum/plasterboard painted with tempera: check adherence, apply one coat of ONE MICRO.
Gypsum/plasterboard painted with washable products: apply directly.

Product preparation

For brush applications dilute with 30% by volume of water for the first coat 25% by volume for the second.
For roller application dilute 15-20% by volume of water.
In both cases mix well.

Application

Apply a first coat taking care to distribute the product evenly over the surface. After at least 10-12 hours proceed with the application of the second layer taking care to cross the passes

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during their drafting.
Withdraw the material necessary for the execution of the work from the same batch. If different batches of product are used, it is advisable to mix them together in order to avoid slight differences in shade. Absolutely avoid the application of different batches on the same surface and finish the wall with a single batch, then resume painting on the wall at the edge with the next batch. Wash tools and equipment with water immediately after use.

Important Warnings

Do not apply with ambient and/or substrate temperature lower than +5°C or higher than +35°C and with relative humidity higher than 75%. Avoid application in presence of superficial condensation, under direct sunlight or strong wind. The adhesion of the product to the substrate is not guaranteed when the application takes place on surfaces that have salt efflorescence or are subject to humidity, so it is necessary a preventive intervention of masonry restoration.

Special Warnings

Respect the climatic conditions of application indicated above and protect the surfaces from rain and humidity for at least 48 hours. This will allow the product to dry completely and polymerize regularly, which occurs within 8-10 days. If, during this period, rain or high humidity events occur (mists and/or superficial condensation, especially in autumn), translucent drippings (so-called “slugs”) could form. This phenomenon does not affect the quality of the product and can be eliminated by hydro-washing or waiting for the next rainfall.

Safety instructions

The product does not require hazard labeling under current regulations. Use the products according to current hygiene and safety regulations. After use, do not dispose of containers in the environment. Let the residues dry well and treat them as special waste. For further information please refer to the safety data sheet.

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TECHNICAL DATA	PERFORMANCE
Binder type	acrylic copolymers and siloxanic resins
Appearance	paste/rough/pigmented
Specific weight(UNI EN ISO 2811-1) 25°C±2	1640 ± 20 g/l
Brookfield viscosity(ASTM D2196) 25°C±2	18.000 ± 2.000 cP
Water vapor permeability and classification (UNI EN ISO 7783-2)	V = 380 g/m^2 24h Class I (high permeability)
Equivalent air layer thickness (UNI EN ISO 7783-2)	Sd = 0,055 m
Liquid water permeability and classification (UNI EN 1062-3)	w24 = 0,090 kg/m^2 h^{0,5} Class III (low permeability)
Suitable for facade protection as it complies with the KÜNZLE theory (DIN 18550) where w24 < 0,5 kg/m2 h0,5 and Sd<2 m	Sd · w24 = 0,005 kg/m h^{0,5}
VOC content (DIR. 2004/42/CE)	Paint for exterior walls of mineral substrate. EU limit values for subcategory c, type BA 40 g/l (2010) This product contains a maximum of 40 g/l of VOCs.
Application	brush, roller
Theoretical consumption	approx. 230 g/m2 per coat (0.14 l/m2)
Theoretical yield	3,6 m2/l in two coats
Overpainting	6-8 hours

v. 02/2025