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arteMURI® ONE COAT KUNSTHARZPUTZ K



Acrylic anti-algae thick plaster for exteriors.
Available in 0.7-1-1.2-1.5-2-3 mm grain size.



Innovative VOC- and AOX-free
biocide active ingredient
encapsulation technology

Product description and fields of application

ONE COAT is a thick fiber-reinforced finish composed of acrylic copolymers in water dispersion, colored and UV-resistant pigments and controlled and selected mineral fillers. The product has a plaster effect, is available in different grain sizes and has 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 thanks to its excellent workability during application, is resistant to alkalis and weathering, has low dirt retention and good water repellency. ONE COAT turns out to be a special coating suitable for the protection and decoration of exterior surfaces of new buildings and in renovation works in urban construction. Moreover, it is suitable for application on hydraulic lime-binder based, premixed and traditional plasters, thermal insulation systems such as thermo-plaster and coats, concrete conglomerates and cementitious smoothing compounds.

ONE COAT can be tinted with the arteMURI tinting system.

ETA certified product for thermal insulation systems.

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Grigolin
evoluzioni costruttive

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Advantages

plastering effect
various grain sizes
retardant and protective film against the proliferation of mold, algae and fungi
ease of application
high resistance to atmospheric agents and UV rays

Specifications

The external wall surfaces, such as mortar plaster based on lime-hydraulic binder, premixed and traditional, skimming, insulating systems and concrete conglomerates of various kinds, can be finished with the anti-algae fiber reinforced plaster with rustic effect ONE COAT by Fornaci Calce Grigolin, a product based on acrylic copolymers in water dispersion, pigments resistant to light and charges with selected grain size. When finished, the consumption of this product varies from a minimum of 1.6 kg/m² to a maximum of 4.0 kg/m², depending on the thickness and grain size used.

Consumption and packaging

ONE COAT is supplied in 25 kg 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.

Media 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 with SEI KO detergent 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 films, completely remove high layers of non-adherent paints.

Media 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.

In all cases, depending on the conditions of the substrate, treat subsequently with PRIMO pigmented acrylic primer or with PRIMER UNI-KO GM universal filler.

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Product preparation

ONE COAT is ready to use. If necessary, dilute with a little water until the desired consistency is obtained by slowly mixing the product in its container with a mechanical stirrer.

Application

Spread the product on the surface with a metal trowel taking care to distribute it evenly. Before the product begins to dry on the surface, finish with circular movements using the spatula or plastic mallet, until the desired result is obtained. If you use the fine-grained ONE COAT 0.7 mm in two coats, or if it is necessary to apply an additional layer of product, always wait until the first coat is completely dry (on average, after about 16-48 hours depending on weather conditions). In case of application on large surfaces, remember to work with an adequate number of people, always proceeding wet on wet to avoid shading in the areas of recovery.

Collect the material necessary for the execution of the work all 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 in question with a single batch, then resume application on the wall at the edge with the next batch. Wash tools and equipment with water immediately after use.

Important Warnings

If the product is used as a finish for a thermal insulation system, avoid using dark colors with a luminosity index $Y < 25$ (check the arteMURI color chart).

Do not apply with ambient and/or substrate temperature lower than $+5^{\circ}\text{C}$ or higher than $+35^{\circ}\text{C}$ and with relative humidity higher than 75%. Avoid application in presence of superficial condensation, under direct sunlight or strong wind. Wash tools and equipment with water immediately after use.

Special Warnings

Respect the climatic conditions of application indicated above and protect the surfaces from rain and humidity for at least 48-96 hours (depending on climatic conditions), to reduce the risk of washouts. This allows for complete drying of the product and regular polymerization, which occurs within 8-10 days. If, during this period, there are rainy events or events with high humidity (mists and/or superficial condensation, especially in the autumn), translucent drippings (so-called "snails") may 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 |
| Appearance | in dense granular/pigmented paste |
| Specific gravity(UNI EN ISO 2811-1) 25°C±2 | 1850 ÷ 1940 g/l depending on the grain size |
| Brookfield viscosity(ASTM D2196) 25°C±2 | 85.000 ÷ 180.000 cP depending on the grain size |
| Water vapor permeability and classification (UNI EN ISO 7783-2) | V = 92 g/m ² 24h Class II (medium permeability) |
| Equivalent air layer thickness (UNI EN ISO 7783-2) | Sd = 0,228 m |
| Vapor Permeability μ | ca. 190 |
| Liquid water permeability and classification (UNI EN 1062-3) | w24 = 0,177 kg/m ² h ^{0,5} Class II (medium permeability) |
| Suitable for facade protection as it complies with the KÜNZLE theory (DIN 18550) where w24 < 0,5 kg/m ² h ^{0,5} and Sd<2 m | Sd · w24 = 0,040 kg/m h ^{0,5} |
| VOC content (DIR. 2004/42/EC) | 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 | Steel and plastic flask |
| Overpainting | 16-48 hours |
| Reaction to fire (EN 13501-1) | A2-s1, d0 |

| GRANULOMETRY | LAYERS | CONSUMPTION | RETURN |
|--------------|-----------|---------------------------|------------------------------|
| 0,7 mm | two hands | 2,6-3,2 kg/m ² | 0,31-0,39 m ² /kg |
| 1 mm | one hand | 1,6-2,0 kg/m ² | 0,5-0,6 m ² /kg |
| 1,2 mm | one hand | 1,8-2,2 kg/m ² | 0,45-0,55 m ² /kg |
| 1,5 mm | one hand | 2,8-3.2 kg/m ² | 0,30-0,35 m ² /kg |
| 2,0 mm | one hand | 3,0-3,5 kg/m ² | 0,28-0,33 m ² /kg |
| 3,0 mm | one hand | 3,6-4,0 kg/m ² | 0,25-0,28 m ² /kg |

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