



arteMURI® FONDO 03



Medium grain elastomeric filler primer.



Product description and fields of application

FONDO 03 is a structural microfiller coating with high filling power, based on highly elastic acrylic copolymers in water dispersion, colored pigments resistant to light and UV rays and siliceous charges with selected grain size. It has excellent characteristics of resistance to alkalis and weathering, has considerable resistance to rubbing and washing, low dirt retention, ease of application and excellent filling power. Thanks to the binder used, the product maintains high elasticity over time and in every season, even at low temperatures. All these features make FONDO 03 suitable for indoor and outdoor application on premixed and traditional mortar plasters based on lime-hydraulic binder, finished as a civil product and on concrete conglomerates. In particular, it is used as a primer coat on surfaces that are difficult to cover or where the substrate is uneven and non-uniform, before the use of other outdoor finishes of the elastomeric class. In addition, FONDO 03 is a special primer treatment for the protection and decoration of exteriors of new buildings and in renovation works in urban construction of wall structures with the presence of micro-cavities. FONDO 03 can be tinted with the arteMURI tinting system.

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.

FONDO 03

Advantages

structural primer and filler
excellent elasticity
excellent coverage
high resistance to atmospheric agents and UV rays

Specifications

The wall surfaces, such as mortar plaster based on lime-hydraulic binder, premixed and traditional, finished civil and concrete conglomerates of various kinds, can be treated with the filler elastomeric primer with high coverage, FONDO 03 of Fornaci Calce Grigolin, a product based on elastomeric acrylic copolymers in water dispersion, lightfast pigments and charges with selected grain size. The minimum consumption of this product is 0.18 l/m².

Consumption and packaging

FONDO 03 is supplied in 14 liters packages.
The minimum consumption of this product is 0.18 l/m².

Conservation Standards

Protect against 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. Any micro-cracks must be evaluated and, depending on the case, opened, filled with GRIGOFLEX FIBRA.

Clean up any mold or algae and then sanitize the surface with the restorer SEI OK.

On already painted surfaces make sure of the condition of the film: brush and / or scrape the films in the phase of detachment, remove completely high layers of paint not adhering.

Substrate treatment

New plasters: apply directly.

Plasters with mineral paints (lime or silicates): apply directly.

Plasters with synthetic paints (acrylic, siloxanic): apply directly.

Cement/concrete/fibrocement: apply one coat of PRG SL or ONE MICRO.

In all cases, depending on the conditions of the substrate, first treat with UNO FIX or ONE MICRO water primer or PRG SL solvent primer.

Product preparation

For roller application of FONDO 03 on wall structures with micro-cavities, use the product diluted on average with 5% by volume of water with a roller. If applied by brush, dilute the product at a maximum of 15% for the first coat and 10% for the second.

In both cases mix everything well.

FONDO 03

Application

Apply a first coat by brush or roller taking care to distribute the product evenly on the surface. Especially in presence of micro-cavities it is advisable to apply a second coat, since the elastic elongation capacity depends directly on the applied thickness. Wait at least 16-24 hours before applying the finish.

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. Wash tools and equipment with water immediately after use.

Special Warnings

Elastic systems generate tensions during their use: they must therefore be well adherent to the substrate and the latter must certainly be strong and with good cohesion. Do not apply on friable, very porous and pure lime-based substrates. Always carry out a correct pre-treatment of the support.

The polymerization of elastomeric binders is catalyzed by the UV radiation of sunlight, so it is advisable to take the utmost precaution in the application in seasonal periods when the lighting is poorer, and especially on walls less exposed to the sun, because the complete polymerization would take a very long time.

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.

FONDO 03

DATI TECNICI	PRESTAZIONI
Binder type	Elastomeric Acrylic Copolymer
Appearance	paste/roughened/pigmented
Specific weight(UNI EN ISO 2811-1) 25°C±2	1480 ± 30 g/l
Brookfield viscosity(ASTM D2196) 25°C±2	20.000 ± 2.000 cP
Water vapor permeability and classification (UNI EN ISO 7783-2)	V = 180 g/m ² 24h Class I (high permeability)
Equivalent air layer thickness (UNI EN ISO 7783-2)	Sd = 0,117 m
Liquid water permeability and classification (UNI EN 1062-3)	w ₂₄ = 0,095 kg/m ² h ^{0,5} Class III (low permeability)
Suitable for facade protection as it complies with the KÜNZLE theory (DIN 18550) where W < 0,5 kg/m ² h ^{0,5} and Sd < 2 m	Sd · w ₂₄ = 0,011 kg/m h ^{0,5}
Particle size (UNI EN ISO 1062-1)	0,3 mm
VOC content (DIR. 2004/42/CE)	Fixing primer - cat. A EU limit values for subcategory h, type BA 30 g/l (2010) This product contains maximum 30 g/l VOC
Application	brush, roller
Theoretical consumption	approx. 250 g/m ² (0.18 l/m ²)
Theoretical yield	5.5 m ² /l
Overpainting	6-8 hours

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