



I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificare l'adempimento nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare modifiche tecniche di qualsiasi genere senza alcun preavviso.



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

## arteMURI® XILAN DUEL



Smooth anti-algae siloxane finish for exterior use without quartz.

Washing resistance Certified according to UNI 10560 standard

### Product description and fields of application

XILAN DUEL is a high-coverage siloxane water paint based on siloxane polymers in water dispersion, mineral pigments resistant to light and UV rays and fine natural charges with selected grain size. The product has a very high water repellency combined with excellent water vapor permeability, an optimal characteristic for application on any wall surface. It has excellent characteristics of resistance to alkalis, weathering, considerable resistance to rubbing, washing and low dirt retention. In addition, it possesses a blend of innovative active biocides resistant to alkaline pH, washout and UV rays that protect the substrate from the proliferation of mold, mildew and algae. XILAN DUEL, therefore, is suitable for external application on mortar based on lime-hydraulic binders, ready-mixed and traditional plasters, finished as civil and not, and on concrete conglomerates and is particularly suitable as a finish for diffusive and dehumidifying plasters.

XILAN DUEL can be tinted with the arteMURI tinting system.

# XILAN DUEL SILICONHARZFARBE

## Advantages

finish suitable for application on dehumidifying plasters  
high resistance to washing, atmospheric agents and UV rays  
excellent breathability and water repellence  
retardant and protective film against the proliferation of mold, algae and fungi

## Specifications

External wall surfaces, such as mortar based on lime-hydraulic binder, premixed and traditional plaster, dehumidifying plaster and concrete conglomerates of various kinds, can be finished with the smooth siloxane finish, with high coverage and resistance to washing, XILAN DUEL by Fornaci Calce Grigolin, a product based on siloxane copolymers in water dispersion, resistant pigments and selected micronized charges. The minimum consumption of this product is 0.20 l/m<sup>2</sup> for two coats.

## Consumption and packaging

XILAN DUEL is supplied in 15 litre packages.  
The minimum consumption of this product is 0.20 l/m<sup>2</sup> for two coats.

## 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 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.

## Media treatment

New plasters: it is recommended to apply one coat of PRIMER 2W.

Plasters with mineral paints (lime or silicates): apply one coat of PRG SL solvent-based fixing agent or PRIMER 2W.

Plasters with synthetic paints (acrylic, siloxanic): apply one coat of PRG SL solvent-based fixing agent or PRIMER 2W. In case of wall surfaces already painted with a dark color that is difficult to cover; choice of a poorly covering color; irregular and non-uniform substrate, it is advisable to apply a first coat of BIS structural paint (medium grain 0.3 mm) in white or in the same color as the finish.

Cement/concrete/fibrocement: apply one coat of PRG SL solvent-based fixing agent or PRIMER 2W.

# XILAN DUEL SILICONHARZFARBE

## Product preparation

Dilute XILAN DUEL with about 25% by volume of water for the first coat, with 20% for the second coat.

For roller application maximum 10% by volume of water.

In both cases mix everything 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 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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# XILAN DUEL SILICONHARZFARBE

TECHNICAL DATA	PERFORMANCE
Binder type	siloxane polymers in emulsion, hydrophobically modified
Appearance	in smooth/pigmented paste
Specific gravity(UNI EN ISO 2811-1) 25°C±2	1480 ± 20 g/l
Brookfield viscosity(ASTM D2196) 25°C±2	13.000 ± 2.000 cP
Water vapor permeability and classification (UNI EN ISO 7783-2)	V = 360 g/m <sup>2</sup> 24h Class I (high permeability)
Equivalent air layer thickness (UNI EN ISO 7783-2)	Sd = 0,058 m
Liquid water permeability and classification (UNI EN 1062-3)	w24 = 0,085 kg/m <sup>2</sup> h <sup>0,5</sup> Class III (low permeability)
Suitable for facade protection as it complies with the KÜNZLE theory (DIN 18550) where w24 < 0,5 kg/m <sup>2</sup> h <sup>0,5</sup> and Sd<2 m	Sd · w24 = 0,005 kg/m h <sup>0,5</sup>
Degree of gloss (UNI EN ISO 2813)	5 -10 gloss, matt
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, spray or airless
Theoretical consumption	approx. 150 g/m <sup>2</sup> per coat (0.10 l/m <sup>2</sup> )
Theoretical yield	5 m <sup>2</sup> /l in two coats
Overpainting	6-8 hours

TECHNICAL DATA	PERFORMANCE
Washing resistance and classification (UNI 10560)	>10.000 cycles, highly resistant

v. 09/2021