



Biquarz Acrilsilossanico 1.0 - 1.5

TDS

COD. 387/... - 389/...

High-build acrylic siloxane anti-algae coating for exteriors.

The high applied thickness (up to 1.5 mm) makes it possible to conceal any imperfections in the substrate and obtain a “natural lime” type finish.

Compliant with standard DIN 4108-3 on façade protection.

The pigments and special fillers used in the formulation give the product excellent resistance to atmospheric agents and abrasion.

The product's siloxane polymer content provides good vapour permeability and water repellency. It is also compliant with standards EN 15457 (fungi resistance) and EN 15458 (algae resistance) as a result of special additives that protect the film against the aggressive action of algae, moulds and lichens.

TYPICAL CHEMICAL AND PHYSICAL CHARACTERISTICS

| | | |
|------------------------------|--|------------------------------------|
| APPEARANCE | granulated matt | |
| COMPOSITION | acrylic siloxane resin binder in water emulsion | |
| SPECIFIC WEIGHT | 1.73 ± 0.05 g/cm ³ at 20°C | |
| VISCOSITY | 100 ± 10 gm/cm | gel strength tester |
| DRY RESIDUE | 85.0 ± 2% p/p | |
| PARTICLE SIZE | ≤ 1.0 mm (code 387/...) ≤ 1.5 mm (code 389/...) | UNI 1062-1 |
| PERMEABILITY TO WATER VAPOUR | μ.s = Sd = 0.22 m referred to ≤ 1.0 mm (code 387/...) | UNI EN ISO 7783-2 UNI EN 1062-1 |
| WATER ABSORPTION | W = 0.06 kg/m ² h ^{0.5} referred to ≤ 1.0 mm (cod 387/...) | UNI EN 1062-3 |
| ALKALI RESISTANCE | alkali resistant | UNI 10795 |

For reference standards, see “Key – technical data sheets”

COLOURS

White,





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TYPICAL APPLICATION CHARACTERISTICS

| | |
|---|--|
| DRYING (at 20°C and 65% R.H.) | touch dry: 6-8 hours |
| EFFECTIVE COVERAGE | 2 kg/m ² approx. per coat of code 387 (2.5 kg/m ² for code 389) depending on substrate absorption and particle size |
| DILUTION¹ (V/V) | ready to use if necessary, up to 2-5% drinking water |
| TOOLS | trowel for application and plastic skimming trowel for finishing |

APPLICATION SYSTEM

SUBSTRATES: civil plaster, concrete, prefabricated structures, fibre cement agglomerates, etc.

SUBSTRATE PREPARATION: substrates must be sound and firm, without salt efflorescence or active damp patches. Remove chalky old paintwork by pressure washing.

Do not apply to freshly applied or particularly alkaline substrates; wait for at least four weeks for full carbonation.

Apply an appropriate primer to metal construction parts.

| | NEW SUBSTRATES | | OLD SUBSTRATES NEVER PAINTED | | SUBSTRATES WITH OLD PAINT IN GOOD CONDITION | |
|---------------|--|-----------|--|-----------|---|-----------|
| PRIMER | Fondo P 378 Ariete fondo 319 | 1 COAT | Fondo P 378 Ariete fondo 319 | 1 COAT | Fondo P 378 Ariete fondo 319 | 1 COAT |
| FINISH | Biquarz Acrilsilossanico 1.0-1.5 | 1 COAT | Biquarz Acrilsilossanico 1.0-1.5 | 1 COAT | Biquarz Acrilsilossanico 1.0-1.5 | 1 COAT |

TECHNICAL SPECIFICATIONS (for contracts and quotations)

| | |
|--------------------------------|---|
| GENERAL CHARACTERISTICS | high-build acrylic siloxane anti-algae coating for exteriors. |
| DRY RESIDUE | 85.0 ± 2% p/p |
| SPECIFIC WEIGHT | 1.73 ± 0.05 g/cm ³ at 20°C |



GENERAL INFORMATION AND NOTICES

Store the product in a cool place. Do not allow to freeze.

To avoid defects in formation film, do not apply in direct sunlight and windy conditions or at temperatures below 5°C.

Clean tools with water.

To avoid colour shade differences caused by the mineral origin of the quartz powders, we recommend using the same production batch on the same wall. Always finish application in corners, string courses or in any case in areas where the joints caused by continuing application are not visible.

The technical information provided above is the result of careful laboratory testing and practical experience. Nevertheless, as the product is often used outside our control, we are unable to guarantee the quality of the end result. This information is subject to review by the Company.

Please carefully read the "GENERAL RECOMMENDATIONS".

CQ Rev. 7 - January 2014

"In accordance with European Directive 2004/42/EC, the VOC values displayed on the packaging refer to the dilutions and thinners specified and to tinted products based on the formulations indicated by Boero Bartolomeo SpA."