



Ariete

TDS

COD. 317/....

Siloxane anti-algae coating for exteriors in water emulsion, compliant with standard AFNOR FD T30-808, NF T36-005.

This coating features both the high vapour permeability typical of mineral products and the low water absorption and water repellency typical of polymer-based products. 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 micro-organisms (algae, moulds and lichens).

Versatility of use, excellent adhesion to all types of masonry substrate and extreme ease of application make the product particularly suitable for renovating historical buildings and colouring modern constructions.

Ariete is compliant with standard DIN 4108-3 on façade protection.

TYPICAL CHEMICAL AND PHYSICAL CHARACTERISTICS

APPEARANCE	matt	
COMPOSITION	acrylic siloxane polymer binder in water emulsion	
SPECIFIC WEIGHT	1.48 ± 0.05 g/cm ³ a 20°C	
BROOKFIELD VISCOSITY	13,000 ± 3,000 cP	G6V10 at 20°C
DRY RESIDUE	60.0 ± 2% p/p	
PARTICLE SIZE	≤ 0.15 mm	UNI EN 1062-1
PERMEABILITY TO WATER VAPOUR	μ.s = Sd = 0.085 m	UNI EN ISO 7783-2 UNI EN 1062-1
WATER ABSORPTION	W = 0.05 kg/m ² h _{0,5}	UNI EN 1062-3
ALKALI RESISTANCE	alkali resistant	UNI 10795

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

COLOURS

White,





TYPICAL APPLICATION CHARACTERISTICS

DRYING (at 20°C and 65% R.H.)	touch dry: 2-3 hours for re-coating: 12-24 hours The product acquires all its properties after about two weeks
EFFECTIVE COVERAGE	6-7 m²/L per coat depending on substrate absorption
DILUTION: (V/V)	5 – 10% drinking water
TOOLS	brush, roller

† Tints derived from bases other than ARB (e.g. AR0) require less dilution, up to a maximum of 3-5%.

APPLICATION SYSTEM

SUBSTRATES: masonry structures in general (civil plaster, pre-mixed products, fibre cement, etc.), either new or already treated with old mineral or dispersion-based coatings.

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		SUBSTRATES WITH STARIC HAIR CRACKS OR SPOT REPAIRS	
PRIMER	Ariete fondo 318	1 COAT	Ariete fondo 318	1 COAT	Fondo di Collegamento	
FINISH	ARIETE	2 COATS	ARIETE	2 COATS	ARIETE	2 COATS



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TECHNICAL SPECIFICATIONS (for contracts and quotations)

GENERAL CHARACTERISTICS	anti-algae coating for exteriors with siloxane resins in water emulsion, compliant with standards AFNOR FD T30-808 and NF T36-005; high permeability to water vapour and water repellency.
DRY RESIDUE	60 ± 2% p/p
SPECIFIC WEIGHT	1.48 ± 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 film formation defects, do not apply in direct sunlight and windy conditions or at temperatures below 5°C.

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 - March 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."