

SILICOLOR

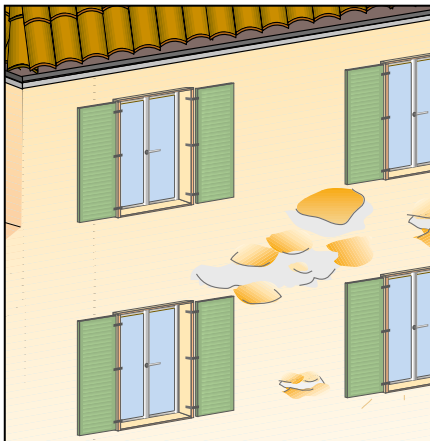
WATER-REPELLENT AND ANTI-ALGAE TRANSPIRING DECORATIVE WATER PAINT WITH A SILOXANE BASE IN AQUEOUS EMULSION FOR INTERIOR AND EXTERIOR FINISHES

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE			PRECAUTIONS
ALLOWS TO BREATHE	WATER BASED	ECO GREEN	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	STORAGE: KEEP AWAY FROM FROST

PROBLEM

PROTECTING AND PRESERVING THE BREATHABILITY OF FACADES



SOLUTION

External dehumidifying plasters on restored buildings and walls subject to considerable damp require a breathable coating that decorates and protects the entire restored surface.

It is therefore very important to choose the right paint, which must fulfil certain requirements, such as maximum permeability to vapour (breathability), high water-repellency and high resistance to aggressive atmospheric agents and to a broad spectrum of micro-organisms.

SILICOLOR is a paint formulated with aqueous emulsions of siloxane resins, inorganic pigments and additives.

Once dry, it leaves a film that is highly water-repellent and permeable to vapour, thus favouring damp evaporation and a dehumidifying effect on refurbishing plasters.

APPLICATION FIELDS

SILICOLOR can be used on INDEX dehumidifying plasters – type POROVENT, DEUMISAN or IDROPLAN – applied to restore masonry works subject to considerable damp.

SILICOLOR is used for coating outdoor surfaces of period or historically significant buildings during restoration, restructuring or re-painting works.

It is suitable for protecting and decorating all wall surfaces; old and new, lime or cement plasters.

ADVANTAGES

- High breathability.
- High water-repellency.
- Excellent resistance to outdoor conditions and pollutants in the atmosphere.
- Excellent resistance to washing.
- High adhesion.
- Fair resistance to alkalis; can also be applied to cement-based surfaces.



METHOD OF USE

• SURFACE PREPARATION

The surfaces to be painted must be clean and free from impurities and dust.

Any holes, cracks and recesses in the plaster must be filled in beforehand. Old resin-based film-forming paints must be removed completely.

Apply one coat of PRIMER T (or, alternatively, PRIMER FIX), an insulating and consolidating fixative, on the clean and dry surface as specified in the relative technical sheets.

• APPLICATION

The paint must be mixed thoroughly before use. Dilute with water (20%) and apply the first coat. Apply the second coat after diluting the paint with water (roughly 10–15%) at least 6 hours after the first coat and only once the surface has dried completely. It is advisable to always apply at least two criss-cross coats, in the amounts indicated below. The product can be applied using a paintbrush, roller, or sprayer.

• COVERAGE

The product's consumption depends on the nature and porosity of the underlying surface. On smooth and moderately porous surfaces, the estimated coverage is roughly 6 m²/l per coat.



• PRECAUTIONS

- Do not apply fixatives that can reduce the high breathability of the recommended cycle.
- Keep the containers sealed before use.
- Mix the product thoroughly before use.
- Apply at temperatures between +5 °C and 35 °C.
- Do not apply in very humid conditions or if rain is forecast while the film is still drying.
- Do not apply in extremely hot or cold conditions.
- Clean the tools with water after use; if the product has dried, use hot water or white spirit to remove it.
- The product does not react well to frost and should be stored at temperatures above +5 °C; once frozen, the product is not recoverable.
- The containers must be stored away from direct sunlight and heat sources.

TECHNICAL CHARACTERISTICS

	Standard	SILICOLOR
Appearance		liquid
Colour		see 'LONG LIFE COLOURS' - INDEX colour swatch
Density	EN 2811-1	1.55 ± 0.10 kg/L
Dry residue	UNI EN ISO 3251	65 ± 3%
Storage in original packaging in a dry place		12 months
Workability characteristics		
Application thickness		0.3 mm (in two coats)
Waiting time - till tack-free drying (*)		roughly 4 hours
Waiting time - for applying each coat over the previous one (*)		6 hours
Application temperature		+5 °C to +35 °C
Application		manual or mechanical
Performance characteristics		
	Standards	Product performance
Class and type	EN 1504-2	I PI
Permeability to water vapour	EN 7783-1	Sd < 0.10 m - class I
Adhesion test	EN 1542	≥ 1.0 MPa
Water absorption through capillarity	EN 1062-3	w < 0.07 kg/m ² ·h ^{0.5}
Thermal resistance - Working temperature		-30 °C to +90 °C
Hazardous substances	EN 1504-2	According note in ZA.1

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. **These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 1504-9** - Principles for evaluation of the use of products and systems.

see **LONG LIFE COLOURS** colour swatch



The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

14-litre can.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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