

Torggler

etics

Paints and coatings

FINISH SILOXAN

Smooth siloxane paint with lotus effect.



APPLICATION AREAS

Outdoor:

- New, cured, homogeneous, civil-finished wall surfaces;
- Cementitious, cement-lime mortar wall surfaces, already coated or partially deteriorated;

FEATURES

- Thanks to its innovative formulation, water is not retained but collects in small droplets, which naturally slides off the surface keeping it perfectly clean and dry (lotus effect);
- It has excellent adhesion on all types of old or new substrates based on lime, cement-lime mortar, cement, concrete, old paint;
- It complies with the AFNOR FDT 30-808 standard as it contains more than 40% siloxane resins by weight;
- It contains special film preservatives, which give the coating preventive protection against the formation of algae and fungi;
- White and colours can be achieved with the tintometric system;

WARNINGS

- Do not apply on sunny walls or with ambient or substrate temperature conditions that may fall below +5 °C or above +35 °C in the first 24 hours after application; relative humidity must not exceed 75%;
- Apply on homogeneous substrates, complete the façade-wall without stopping, avoid recoating material that is already dry;
- New plasters must be left to cure for at least 4÷6 weeks to complete the natural carbonation process. Even brand new patches must be left to cure perfectly;
- To achieve maximum performance of eTics Finish Siloxan, any pre-existing film-forming coating must be completely removed;
- Maximum water repellency performance is achieved after 28 days of curing;

INSTRUCTIONS FOR USE

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Product dilution and preparation

- Brush application: max 10% with water;
- Roller application: max 10% with water;
- Spray application: 10÷20% with water – Nozzle LTX 419/HDA 329 (ref. GRACO ULTRA MAX 2-795 machine). Pressure 140/150 bar;

Application tools

- Brush;
- Wool roller;
- Airless;

SUBSTRATE PREPARATION

New, cured, homogeneous, civil-finished wall surfaces:

New plasters must be left to cure for at least 4 to 6 weeks for the natural carbonation process to complete. Clean thoroughly the surfaces by removing all traces of dust, dirt and loose parts. Check that the wall is perfectly dry and apply a coat of water-based primer properly diluted with water. In the case of crumbling substrates to be consolidated, apply a coat of TORGGLER CONSOLIDA high-penetration fixative, applied as is, wait 24 hours before proceeding with the subsequent finish.

Cementitious, cement-lime mortar wall surfaces, already coated, painted or partially deteriorated:

Any patches made with TORGGLER products must be left to cure (at least 7 to 10 days) until the natural carbonation process is complete. Remove all traces of flaking, non-adhering product and any efflorescence, if necessary strip and wash the surface with steam cleaner. If mould is present, a treatment with an anti-mould solution must be carried out. Brush the substrate vigorously, removing all traces of dust, dirt and loose parts. Check that the wall is perfectly dry and consolidate the substrate by applying a coat of Consolida water-based primer properly diluted with water. In the case of substrates to be consolidated or particularly absorbent, alternatively apply solvent fixative as is and wait 24 hours.

Practical tips

- Apply a single lot on the same façade or request batch continuation;
- Touch-ups: for best results, use a roller;
- In the case of very large surfaces, provide appropriate interruptions near downpipes or technical joints;
- Protect the finish with tarpaulins from rain, frost, dew and dust for at least 48 hours (until completely dry);
- Store the product in its original packaging at a temperature between +5°C and +35°C;
- Avoid application in direct sunlight, or particularly windy days;

Rainwater resistance

The product completes the drying and curing process within 8÷10 days under optimal environmental conditions (+5°C / +35°C; R.H. max. 75%). If the product, during this period of time undergoes runoff from rainwater, it could result in unsightly drippings with a translucent and sticky appearance. This phenomenon, which is temporary in nature, does not affect the quality characteristics of the product and can be easily eliminated by hydro-washing or by waiting for the next rainy event.

Known Incompatibilities

None. For any use other than that stated in this data sheet, contact our Technical Service Department.

Tools cleaning

Clean the tools with water immediately after use.

Safety Precautions

- Close the can immediately after use;
- Keep tightly closed, undiluted, away from heat sources, away from frost and direct sunlight;
- Safety information for the user is contained in the relevant safety data sheet;
- Empty containers or those with slight traces of dried residual product film must be disposed of according to local regulations;

WAITING TIMES

Apply with wool roller or brush in two cross coats with an interval of at least 12 hours:

- Dry to the touch: max. 30 min
- Dry in depth: max. 24 h
- Overpaintable: after 12÷24 h

TECHNICAL SPECIFICATIONS

PARAMETER AND METHOD	MAIN DATA AT 20°C AND 60 % R.H.
Theoretical yield per coat (ISO 7254)	7÷9 m ² /L
Permeability to water vapour (ISO 7783-2)	Class V1
Water absorption (UNI EN 1062-3)	Class W3
Glossiness (EN ISO 2813)	Class G3 (<10, Matt)
Particle size (EN ISO 1524)	Class S2 (<300 µm, Medium)
Bulk density (ISO 2811-1)	1,50÷1,60 g/ml
Viscosity Brookfield (ASTM D 2196)	18.000÷20.000 cps
Recommended dry thickness (ASTM D 1186)	30÷50 Micron per hand
Water vapour diffusion (ISO 7783-2)	>150 g/m ² in 24h High
Water diffusion resistance SD (ISO 7783-2)	<0,14 m Class I (high secondo EN 1062-1)
Water vapour permeability coefficient	µ = 521
Dirt pick-up	2,2 low
Flash point (UNI 8909)	Non flammable
Storage life (UNI 10154)	Min. 24 Months
Price Class	PC ◆, PC I, PC II, PC III, Sample
Color	Coloured, White
Packaging size	1 l, 14 l
Packaging	bucket
Pallet	216 buckets, 33 buckets

CONSUMPTION

The approximate consumption per coat is 7-9 m²/l, depending on the absorption of the substrate.



STORAGE

UNI 8681

CERTIFICATIONS: B.4.C.0.A.2.FC Finishing coat paint, in water dispersion, single-component, physically drying, matt, acrylsiloxane.

UNI EN 1062-1: G3 E3 S1 V1 W3 A0 C0

VOC classification (Directive 2004/42/EC): Mineral-supported exterior wall paints. EU VOC limit value for eTics Finish Siloxan (cat. A/c): 40 g/L (2010). eTics Finish Siloxan contains a maximum of 40 g/L VOC.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 01.08.2022.