

# Torggler

## Concrete Restoration

# RESTAURO PITTURA

Smooth anti-carbonation paint specifically for concrete.



- Anti CO
- Uniforming
- Protective



### APPLICATION AREAS

Outdoor:

- Concrete surfaces and new cementitious plaster;
- Concrete surfaces and cementitious plaster already painted or partially deteriorated;

### FEATURES

- Paint based on acrylic copolymers in water emulsion, micronised charges, water-repellent additives, inorganic pigments stable to light;
- Restauro Pittura is designed for protection against carbonation of indoor and outdoor concrete structures and surfaces;
- Protective against the risks of CO<sub>2</sub> penetration, CE marked product in compliance with UNI EN 1504- 2;
- 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 facade-wall without stopping, avoid recoating material that is already dry;
- New plaster 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;
- Protect the façade with tarpaulins after application from adverse weather conditions and dust for at least 48 hours

## **INSTRUCTIONS FOR USE**

### **Product dilution and preparation**

- Brush application: 15÷20% with water;
- Roller application: 15÷20% with water;
- Spray application: 20÷30% with water;

### **Application tools**

- Brush;
- Wool roller;
- Airless;

### **Substrate preparation**

#### **Concrete surfaces and new cementitious plaster:**

Clean thoroughly, removing all traces of dust, dirt, release agents and loose parts. Check that the wall is perfectly dry and cured and apply a coat of ready-to-use solvent-based, uniforming and consolidating fixative and wait 24 hours.

#### **Concrete surfaces and cementitious plasters already painted or partially deteriorated:**

Remove all traces of loose paint and efflorescence, if any; if mould is present, a treatment with an anti-mould solution must be carried out. Thoroughly clean off dust and dirt, check that the wall is perfectly dry. If repair work is necessary it must be carried out with a concrete restoration and protection cycle; wait for the restoration work to cure properly before continuing with the cycle. Apply one coat of consolidating fixative over the entire surface and wait 24 hours.

### **Practical tips**

- Apply a single lot on the same façade or request batch continuation;
- 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 6÷8 hours.

- Dry to the touch: max. 0.5 h
- Dry in depth: max. 24 h
- Overpaintable: 6÷8 h

## TECHNICAL SPECIFICATIONS

PARAMETER AND METHOD	MAIN DATA AT 20°C AND 60 % R.H
Theoretical yield per coat (ISO 7254)	10÷14 m <sup>2</sup> /L
Permeability to CO <sub>2</sub> (EN 1062-6)	SD(CO <sub>2</sub> )>50m Thickness 150 µm
Glossiness (EN ISO 2813)	Class G3 (<10, Opaco)
Granulometry (EN ISO 1524)	Class S1 (<100 µm, Fine)
Bulk density (ISO 2811-1)	1,23÷1,33 g/ml
Viscosity Brookfield (ASTM D 2196)	6.000÷8.000 cps
Washability (ASTM D 2486)	Min 10.000 brush strokes
Water vapour diffusion WDD (film thickness 250 microns dry) (DIN 52615)	170 g/m <sup>2</sup> in 24h
Resistance to water diffusion SD (film thickness 100 microns dry) (DIN 52615)	0,05 m
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, 15l
Packaging	bucket
Pallet	216 buckets, 33 buckets

## CONSUMPTION

The approximate consumption per coat is 10-14 m<sup>2</sup>/l, depending on the absorption of the substrate.

## STORAGE

In the closed original packaging it is stable for at least 24 months. In any case the instructions in the technical data sheet must be carefully followed for a correct use of the material. PROTECT FROM FROST.

## CERTIFICATIONS

**UNI EN 1504-2):** Products and systems for the protection and repair of concrete structures; Part 2: Concrete surface protection systems for class: coatings (C), according to Principle 1.3 (protection against penetration risks), attestation criterion 4, Table ZA.3f (Assignment of tasks for conformity assessment of surface protection products for low performance uses not subject to reaction to fire regulations or Euroclasses (A1 to E) or F, intended for low performance uses subject to reaction to fire regulations (system 4)).

**(UNI EN 1062-1): G3 E1 S1 V1 W3 A0 C1**

**VOC classification (Directive 2004/42/EC):** Mineral-supported exterior wall paints. Lim value

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](http://www.torggler.com). Version 01.08.2022.