

DATA SHEET 1940

3 12/10/2021

SILOKSAN ANTI-CARB

protective paint

PAINT TYPE SILOKSAN ANTI-CARB is a matt, water-borne and acrylate-based protective paint for concrete. It

protects concrete from carbonation caused by carbon dioxide, and from deterioration caused by

moisture.

USAGE New and previously painted facades outdoors, e.g. concrete, plaster, lime-sand brick and mineral

boards.

SPECIAL PROPERTIES SILOKSAN ANTI-CARB protective paint is easy to apply with roller or spray. Its binder

composition gives it good colour retention in strain caused by UV radiation.

The matt surface of SILOKSAN ANTI-CARB has good resistance to mechanical strain, abrasion,

and stresses during the construction period. The paint is also easy to clean.

SILOKSAN ANTI-CARB does not require any separate priming coat, and priming made with

diluted paint can in normal conditions be overcoated the same working day.

APPROVALS The paint has CE approval for protection of concrete structures. Additional information: see page

3: "CE MARKING".

TECHNICAL DATA

Solids About 38 % by volume

Liquid water permeability (EN

1062-3)

 $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$

Permeability to CO_2 (EN 1062-6) $s_d > 200 \text{ m}$

Water vapour permeability (EN ISO $0.14 \text{ m} \le s_a < 1.4 \text{ m}$

7783)

Adhesion strength (EN 1542) > 3.0 N/mm²

Weather resistance Good, also in maritime and industrial climate.

Density abt. 1.3 g/ml, ISO 2811

Volatile organic compound (VOC) EU VOC limit value (kat A/c): 40 g/l. The product's VOC: max. 40 g/l.

Practical spreading rate 4 - 6 m²/l

Drying time at +23°C / 50% RH

- dust free after 30 min overcoatable after 2 hours

The drying process will be slower in cold and/or damp.

Thinner, clean up Water

Finish Matt

According to the Colour Cards for exterior paints The paint is included in the Teknomix tinting system. Colours

Packages

Base paint 1: 9 L, 18 L **Base paint 3:** 9 L, 18 L (availability varies by country)

SAFETY MARKINGS See Safety Data Sheet.

PTO

DIRECTION FOR USE Surface preparation

NEW SURFACES:

New concrete element or cast surfaces can be painted with SILOKSAN ANTI-CARB when a minimum of one month has passed after the casting, the surface is completely bound and no longer wet or matt moist. In measurements the moisture values of the concrete must be under 97% as relative humidity (RH) or 4% as per cent by weight. Smooth concrete surfaces are roughened in order to ensure adhesion of the paint

It is recommended that new plaster surfaces are coated only after a hardening time of 6-8 weeks.

Surfaces to be painted are washed, if required, and loose impurities, plaster splashes etc. are removed. NOTE! When painting concrete surfaces take care of removing the laitance before painting.

When handling substrates containing asbestos, regulations given by authorities must be followed.

PREVIOUSLY PAINTED SURFACES:

Remove flaking and poorly adherent or pulverized (e.g. lime wash) paint coats. The method to be used is chosen depending on the strength of the substrate and the type of the paint to be removed (e.g. wire-brushing, hot pressurized-water cleaning or water-sand cleaning). Remove also poorly adherent, brittle plaster and concrete surfaces. Check the condition of the concrete seams and repair where required.

If concrete constructions have cracks by the reinforcement bars, these cracks are to be opened by e.g. chipping or with a grinding machine. After this the concrete is roughened, if required. Clean all rust from the exposed steel bars and protect them with e.g. INERTA MASTIC epoxy coating.

Use appropriate repair mortars to repair the opened cracks and dents to the level of the surrounding surface. Finish the repaired areas carefully and let them harden before they are painted.

Priming Before use stir the paint thoroughly.

Prime clean and solid mineral surfaces with SILOKSAN ANTI-CARB protective paint. For strongly absorbent surfaces dilute the paint 5-10% by volyme with clean water.

Top coating With undiluted SILOKSAN ANTI-CARB protective paint.

Application equipment Apply by brush, roller or airless spray.

Suitable nozzle for airless spray is 0.017 - 0.021".

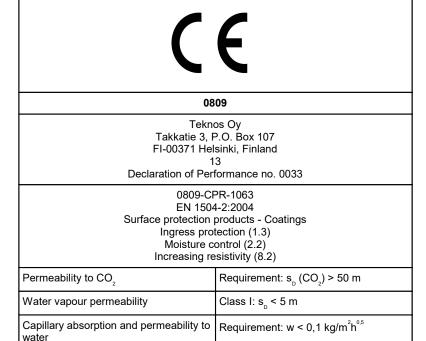
Application conditions During the application and drying period the temperature of the ambient air, the surface and the paint

shall be above +5°C and the relative air humidity below 80%.

Storage Must not freeze.

Continues...

CE MARKING



Requirement: Rigid system without

trafficking: ≥ 1,0 (0,7) N/mm²

See safety data sheet

The information of this data sheet is based on laboratory tests and practical experience. The figures are for guidance only and depend on, for example, colour and gloss. As we have no control over the use and application conditions, we are only responsible for the quality of the product and guarantee that it conforms to our quality control. We accept no liability for any loss or damage resulting from the application of the product contrary to the directions or the intended use. The latest versions of our data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.

Adhesion strength by pull-off test

Dangerous substances