

Product Information

TEGOSIVIN® CA 880

PRODUCT DESCRIPTION

TEGOSIVIN® CA 880 is a solvent-free emulsion based on organo-silanes.

Typical Properties

Property	Unit	Value
Appearance		Milky, white emulsion
Density at 25°C	g/cm ³	0.91-0.93
Diluents		Water
Viscosity ISO cup, 4 mm, 23 °C	mPa·s	30-70

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGOSIVIN® CA 880 is a liquid water repellent and recommended for the integral hydrophobation of concrete and mortar (e.g. paver stones, concrete slabs, concrete curbs). It can also be used as a process additive for the hydrophobation of cementitious-based construction materials (e. g. cement boards) or lightweight fillers. TEGOSIVIN® CA 880 may also serve as a water-repellent primer for paints and plasters.

Product Composition

Product Composition	Unit	Value
Active Content	wt%	59-61

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

In addition to durable protection from water-induced damages TEGOSIVIN® CA 880 provide

- Reduction of capillary water absorption
- No reduction of water vapour permeability
- Reduced primary and secondary efflorescence
- Protection against de-icing salts
- Improved beading effect
- No performance loss over time
- Reduced corrosion of steel reinforced concrete
- Alkali resistance
- A reduction in heat conductivity and improved thermal insulation properties
- Solvent-free and low VOC

DOSAGE

For the use as a water repellent in admixture applications the dosage may vary from 0.1 - 1.0 wt. % TEGOSIVIN® CA 880, undiluted, referred to cement.

HANDLING & PROCESSING

TEGOSIVIN® CA 880 can be added to the mixing water or directly to the concrete at the end of the mixing process. It should not be added along with other additives.

Compatibility tests with other admixtures are recommended prior to use.

Ready-to-use dilutions are prepared by adding (preferably demineralized) water to TEGOSIVIN® CA 880 while stirring at low shear. Dilutions have to be protected by adding a suitable preservative.

We also recommend stirring TEGOSIVIN® CA 880 and formulations made from it prior to use.

PACKAGING

Container à 900 kg

SHELF LIFE

TEGOSIVIN® CA 880 may be stored in closed containers for at least 6 months. The product has to be stored under frost-free conditions; storage temperature should not exceed 35°C. The same applies to dilutions prepared from TEGOSIVIN® CA 880 using demineralized water. Improper dilution conditions or preservation may shorten the stability of diluted material.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

Based on the submitted information of our raw material suppliers we can confirm, that TEGOSIVIN® CA 880 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGOSIVIN® CA 880 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Australia (AICIS)	Yes
China (IECSC)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Interface & Performance
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173-2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
evonik.click/interface-performance