

Technical data sheet

SINNODUR Concrete Hydrophobic

Innovative silicate based product for protection your concrete against chemicals, microbiological attack and abrasion

Product description and advantages

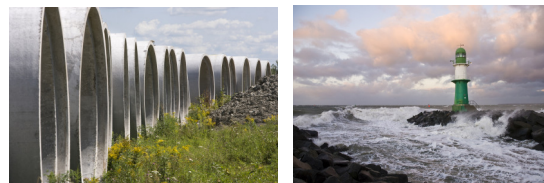
Sinnodur Concrete Hydrophobic is a one component liquid with solidifying and hydrophobic effect of mineral based structures.

Sinnodur Concrete Hydrophobic reacts with the components of the cement substrate and forms a hard silicate structure, which puts a solidifying acid-resistant impregnation into the surface of the existing mortar matrix.

The material has the following outstanding properties and benefits:

- *Strengthens the substrate, closes pores and increases chemical resistance through silicate formation*
- *For waterproofing against all kind of liquids like saltwater, sewage water*
- *As crack-bridging protection against water diffusion*
- *Avoids efflorescence*
- *Treated paving stones will be protected from algae and efflorescence.*
- *Strengthening of dusting concrete and screed and protects the surfaces from abrasion and aggressive chemicals*
- *Surface's optic almost unchanged*
- *Very good penetration due to nano-technology*
- *Water vapor permeable*
- *High temperature resistance*
- *Easy to apply, ready-to use*
- *Low viscosity, water-thin, odorless*
- *Fast drying process*

- *Environmentally friendly*



Range of application

Sinnodur Concrete Hydrophobic is used to reinforce porous, absorbent and sandy surfaces like concrete, screed and all mineral concrete substrates which are exposed to saltwater or chemicals. Apply in interior and exterior areas like manufacturing or agricultural areas.

Typical Usage:

- *Applied on exterior and internal cellar and all mineral building as replacement for sustainable waterproofing*
- *Interior and exterior wall surfaces in cellars in old and new buildings*
- *Old and new concrete floors*
- *For areas with heavy mechanical and chemical load and areas exposed to seawater*
- *Durable protection of all substrates, such as concrete screed, pipelines and all cement based surfaces against acid and salt water*
- *Oil and water repellent effect on mineral surfaces*

Characteristic data

SINNODUR Concrete Hydrophobic

Basis	silicate
Solvent	water
Colour	transparent
Consistency	liquid
Application	brush, spray, etc.
pH value	11,5
Viscosity	<100mPa*s

Technical data

Number of layers	2 within 10 minutes
Drying process	12 h, enhanced by ventilation
Application	brush, roller, spray
Density	1,1 kg/dm ²
Consumption	0,15-0,4kg/m ²
Air- and ambient-temperatur	min. +5 °C, max. +35 °C
Application the temperature	at least 3 °C above existing dew point

Preparation of the substrate

Subsoil preparation of concrete or screed: Load-carrying, dry as well as free of dust, dredges, loose parts, oils, fats and other impurities. Chalking and strongly sanded components must be removed before the solidification (suck off with efficient industrial vacuum cleaner or grind off with grinding machine). Remove render and/ or coatings.

Mixing and application

Apply the material with brush, mop, rubber blade, roller or spray up to saturation of the dry underground (maintain the surface for approximately 15 minutes wet with sufficient **Sinnofloor Concrete Hydrophobic** material). Apply **Sinnodur Concrete Hydrophobic** undiluted. For floors and other horizontal surfaces use **Sinnofloor Coating** wet in wet after **Sinnofloor Concrete Hydrophobic** as soil protection and crack repair. You have to apply the **Sinnofloor Coating** before the **Sinnofloor Concrete Hydrophobic** becomes dry and with this hydrophobic (self repellent)! With this combination you get the fastest and

most repellent surface protection for your concrete- or design floor.

Do not use for not absorbing substrates like clinker brick (there we offer our **Sinnodur Hydro**).

The treated areas have to be protected at least 24 hours from rain and condensation, during which the solidified surface may not be coated or treated.

Tools, cleaning

Brush, mop, rubber blade, roller or spraying tools.

For any interruption of work it is recommended to clean the working tools directly with water.

Delivery and pagage

Packaging:

Canister: 5 kg, 30kg

Container available on request

Shelf-life:

At least 1 year in closed container stored dry and free from moisture.

Safety, ecology and disposal

For **Sinnodur Concrete Hydrophobic** no hazard labeling is required. Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet. The current datasheets are available at www.sinnotec.eu. Also consider the instructions on the packaging.

Notes

Please protect glasses, glass, tiles, clinker and similar from splashing material! Aluminum may not come into contact with the material. Impurities have to be washed off immediately with water. With each interruption of work the tools have to be cleaned.

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be given for the quality of our products. This data sheet supersedes all earlier technical data on this product. Information

SINNODUR Concrete Hydrophobic

supplied by our employees and/or distributors going beyond the information contained in this data sheet must be confirmed in writing. We reserve the right to make changes representing technical progress.