

Technical data sheet

SINNOFLOOR CW 2in1

Innovative impregnation and soil protection of mineral floor surfaces for optimum protection against chemical stress, e.g. oil, liquids, salt water or efflorescence: oleophobic, hydrophobic, and antistatic

Sealing of pores and cracks, open to water vapour diffusion, easy application, odourless

Product description and advantages

Sinnofloor CW 2in1 is a 2-component concentrated sealer for stain protection as impregnation and crack treatment of absorbent concrete substrates. After drying, the colourless treated surfaces have a good oil, grease, dirt and water repellent effect and therefore reduce efficient further staining.

The main features are:

- *Stops penetration of water and dirt long term*
- *Seals against all liquids such as salt water, sewage, chemicals, fats, oils, etc.*
- *Improved chemical resistance*
- *Improved protection against weathering and corrosion*
- *Anti-slip finish*
- *Improved freeze-thaw resistance*
- *Protects against efflorescence*
- *No optical change of the surface*
- *Water vapour permeable*
- *Simple application, can be used immediately*
- *Low viscosity*
- *Environmentally friendly*
- *Filles pores and cracks and keep them water proof*



Ranges of application

Sinnofloor CW 2in1 is the ideal protection for nearly all types of mineral surfaces in indoor and outdoor application against stains and pollution, especially in highly stressed areas such as workshops and production facilities. Permanent dirt protection effect against stains for concrete floors, pavement, old and new mineral surfaces and also suitable for some natural stones.

Properties

Basis	inorganic hybrid
Solvent	water
Colour	milky
Consistence	liquid
Application	mop, rubber blade, brush, spray
Required layers	2
Optic of dry film	transparent, glossy

Technical data

Mixing ratio	1:1
Density	1,1 kg / Litre
Consumption	0,1 kg / m ²
Drying at 20°C*	0,5h open time 24 h dry
Air- and ambient- temperatur	min. +5°C, max. +55°C

* = higher temperature shortens, lower extends the drying time

Preparation of the substrate

The substrate has to be intact, dry as well as free of dust, loose parts, oil, fat and other dirt. Some humidity in the ground does not affect the application of **Sinnofloor CW 2in1**.

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.

Solidify weak concrete basement with one or several layers of **Sinnofloor W2-H** (or one layer **Sinnofloor W3 Plus** wet in wet) or if heavy load resistance, acid resistance or excellent long term durability are important.

Mixing and application

Provide **Sinnofloor CW 2in1 crystal** first in a clean bucket and mix with the same amount (by weight or volume) **Sinnofloor CW 2in1 flint** homogenously.

Apply **Sinnofloor CW 2in1 Mix** undiluted with a mop as cross-coat. Avoid stripes and access material on the surface (only damp surface) up to saturation of the dry underground.

May optimize the surface homogeneity by using a mop after some absorption time (5 minutes) for stripe free surface and/or polish after application with twister pad for design concrete surface look (please have also a look to our blog with videos regarding the application at <http://silicatetechnology.wordpress.com>).

Protect the treated areas from rain and condensation at least 24 hours during which

the solidified surface may not be coated or treated.

The surface is walkable after first drying of the surface (e.g. after 1 hour at 25°C). You should protect from water and humidity for minimum 24 hours. The chemical resistance is full available after seven days.

Please check concrete parts (e.g. flagging, concrete plates) before applications for ability, because there are several surface protection systems already in the market, which may disturb performance.



Maintenance of the treated surface

Clean the surface of **Sinnofloor CW 2in1** impregnated design concrete surfaces only with water and twister pad for optimum long term durability, cheap and environmentally friendly cleaning, slip resistance and shiny surface.

At protective effect falling off we recommend the follow-up impregnation with **Sinnofloor CW 2in1 wipe care** (at least 1x per year). Please see also our instructions clean and care.

Package and storage

Sinnofloor CW 2in1 is available in 2x5kg and 2x30kg container.

Original packed you can store the material dry and frost free for 12 month.
Stirr well before use!

Safety, ecology and disposal

Sinnofloor CW 2in1 is label free. Follow the usual safety information's on the container.

Please refer to Safety Data Sheets that are available on the website www.sinnotec.eu for further information on safety during transportation, storage, handling and disposal.

Notes

Do not apply **Sinnofloor CW 2in1** on frozen substrate or in freezing conditions and do not apply during rain. Use structural measures such as expansion joints to prevent the formation of cracks in buildings. An appropriate flexible or elastomeric sealant must be used to waterproof joints, e.g. **Sinnodur Flexible**.

Please protect glasses, glass, tiles, clinker and similar from splashing material! Impurities have to be washed off immediately with water. With each interruption of work the tools have to be cleaned.

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