

## Technical data sheet

# SINNODUR Coating

## Innovative impregnation of mineral surfaces to protect against chemical stress, e.g. oil, grease, salt water and efflorescence

**Sinnodur Coating** is a 1-component sealer for stain protection as impregnation of absorbent mineral substrates. After drying, the colorless treated surfaces have a good oil, grease, dirt and water repellent effect and therefore reduce the staining..

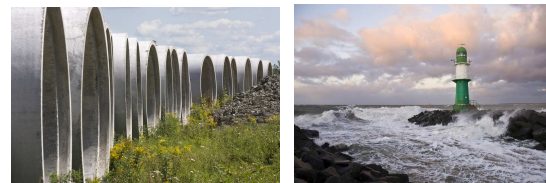
The main features are:

- 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
- To protect and repair drinking water reservoirs
- Improved freeze-thaw resistance
- Protects against efflorescence
- No optical change of the surface
- Surface protection against fouling by microorganisms, algae and mosses
- Because of nano-technology penetrates deep into the substrate
- Water vapour permeable
- Simple application, can be used immediately
- Low viscosity
- Environmentally friendly

### Ranges of application

**Sinnodur Coating** is the ideal protection for nearly all types of mineral surfaces in the indoor and outdoor against stains and pollution from other media. Especially in highly stressed areas such as workshops and

production facilities. Permanent dirt protection effect against stains for concrete, pavement, pipes, old and new mineral surfaces and suitable for natural stones. High effective against the penetration of salt water in areas exposed to a sea water environment..



### Properties

Basis	inorganic hybrid
Solvent	water
Colour	clear
Consistence	liquid
Application	roll, brush, spray
Required layers	1
Optic of dry film	transparent, glossy

### Technical data

Mixing ratio	ready to use
Density	1,1 kg / Litre
Consumption	0,1 kg / m <sup>2</sup>
Dry film thickness	< 10 µm
Air- and ambient-temperatur	min. +5°C, max. +55°C
Drying at 20°C*	4h open time 24 h dry

\* = higher temperature shortens, lower extends the drying time

## Preparation of the substrate

Load-carrying, dry as well as free of dust, dredges, loose parts, oil, fat and other impurities. Chalking and strongly sanded components must be removed before the solidification (suck off with efficient industrial vacuum cleaner). Remove render and/ or coatings.

## Mixing and application

Apply **Sinnodur Concrete** undiluted with brush, roller or spray up to saturation of the dry underground. Mix with a ratio of 1:1 water on highly absorbent and fine pores substrates. Diluted material applied twice wet on wet.  
Surpluses are to be avoided.

Protect the treated areas from rain and condensation at least 24 hours during which the solidified surface may not be coated or treated.

## Package and storage

**Sinnodur Coating** is available colourless glossy in 5kg and 30kg container.

Original packed you can store the material for 12 month.

## Safety, ecology and disposal

**Sinnodur Coating** is alkaline. Observe the usual safety measures.

Please refer to Safety Data Sheets that are available on the website [www.sinnotec.eu](http://www.sinnotec.eu) for further information on safety during transportation, storage, handling and disposal.

## Notes

Do not apply **Sinnodur Coating** 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. As a rule, waterproofing a structure requires the application of waterproofing slurry to the surface exposed to the water (positive stress).

When internal waterproofing of a building is necessary (negative stress) - in particular when renovating existing buildings - the structure must be capable of withstanding the water pressure. For waterproofing against pressure water, supply lines should be routed above the level of the waterproofing if possible.

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.

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