



Funcosil FC

Silane-based hydrophobising impregnation in cream form



Availability				
Quantity per pallet	288	64	32	22
Size / Quantity	0,75 l	5 l	12,5 l	20 l
Type of container	Plastic bucket	Plastic bucket	Plastic bucket	Plastic bucket
Container code	01	05	13	20
Art. no.				
5462	■	■	■	■

Application rate



Depending on porosity, in one coat: approx. 0.2 - 0.25 l/m²

Apply to a large enough trial surface (1-2 m²) to determine the precise amount of impregnation agent required.

Range of use



- Protection of facades against driving rain
- Reduces susceptibility to dirt and green discolouration
- Porous, mineral building materials in outdoor areas
- Protection against driving rain when retrofitting cavity insulation and interior insulation
- Subsequent hydrophobic treatment during brick pointing

Property profile

- Highly water-repellent
- Enables water vapour diffusion
- Improves resistance to frost and de-icing salts
- Outstanding penetration
- UV-resistant
- Alkali-resistant
- Excellent long-term effect
- Can be applied sparingly, with absolute precision and with no losses
- Quickly becomes rain-proof, approx. 60 minutes after application
- PFAS-free formulation

Characteristic data of the product

Carrier material	Deaerated hydrocarbons / water
Density (20 °C)	Approx. 0.84 kg/l
Active ingredient	Silane/siloxane
Active ingredient content	Approx. 40% by mass
Flash point °C	> 61
Appearance/colour	Milky, white, creamy

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Additional information

➤ [Sustainability Data Sheet](#)

Possible system products

➤ [Remmers cleaning products](#)

Preparation

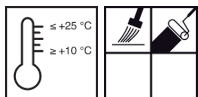
- **Substrate requirements**
The substrate must be clean, dust-free and dry.
- **Substrate preparation**



Any construction defects such as cracks, cracked joints, defective connections, rising damp and hygroscopic moisture must be remedied in advance.

Perform any necessary cleaning gently, e.g. by spraying with cold or warm water or by steam-cleaning; use soft whirl jet technology or Remmers cleaning products (e.g. Traffic Film Remover (0671), Clean FP (0666), Clean AC (0672), Combi WR (0675)) on tough stains.

Directions



Conditions for use

Temperature of the material, air and substrate: from min. $+10^{\circ}\text{C}$ to max. $+25^{\circ}\text{C}$.

Use a suitable tool to apply the impregnating agent crosswise.

Tips on use

Take appropriate measures to protect adjacent building elements and materials that should not come into contact with the product.

The material must not be allowed to come into direct contact with bitumen.

Protect freshly treated surfaces from driving rain, wind, sunlight and condensation.

Use an absorbent sponge to remove excess impregnation agent within 1 hour.

Notes

Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.

The relevant test certificates must be observed when planning and carrying out work.

Water must not be allowed to penetrate behind the hydrophobized zone.

Carry out a quantitative analysis of aggressive salts if there are any salts present that could damage building materials.

High concentrations of harmful salts can cause major structural damage that impregnation cannot prevent.

The level of absorption is crucial for the impregnation agent to work at its best. This depends on the respective pore volume and moisture content of the building material.

Testing effectiveness:

The water absorption of mineral building materials can be determined using the Funcosil Test Tube developed by Professor Karsten (Funcosil Facade Testing Kit, article no. 4954).

Testing can only be carried out at the earliest 6 weeks after application.

Substrates with very low absorbency and highly textured surfaces should be treated with a liquid impregnation agent.

A test of effectiveness needs to be carried out on carbonaceous natural stone.

Always set up a trial area/trial areas first.

Tools / Cleaning



Long-pile lamb's wool roller, paintbrush

Tools must be clean and dry.

Clean tools with water after use and before any lengthy interruptions to work.

Remmers tools

- **Funcosil Prüfröhrchen (4928)**
- **Funcosil Test Set (4954)**
- **Diagnosekoffer für Mauerwerkssanierung (4953)**
- **Flächenstreicher (4540)**
- **Farbrolle FC (4913)**
- **Teleskopstiel (4391)**
- **Rollerbügel (4449)**

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.

Use the contents of open containers as quickly as possible.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not pour liquid coating or residues down the drain, even when cleaning tools used for applying the coating.

Biocidal Products Regulation

Contains as "treated goods" a biocidal product (in-can preservative) with the biocidal active agent(s) 1,2-benzisothiazol-3(2H)-one ; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) to protect the container contents from spoilage due to microbial organisms (bacteria, yeast etc.). Always follow the directions carefully!



Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.