



Funcosil SNW

Colorless water-repellent impregnation based on silane/siloxane, water-based, in emulsion form



Available				
Quantity per pallet	84	24	2	1
Size / quantity	5 liters	30 liters	200 liters	1000 liters
Packaging type	plastic can	plastic can		
packing code	05	30	69	61
art. no.				
5471	■	■	■	■
On request				

Consumption



Brick, fine-pore: min. 0.8 l/m² Brick,
coarse-pore: min. 1.2 l/m² KS stone,
smooth: min. 0.7 l/m² KS stone,
rough: min. 0.8 l/m² Aerated
concrete: min. 1.0 l/m²
Natural stone: fine-pored: min. 0.8 l/m²
Natural stone coarse-pored: min. 1.7 l/m²
Determine the consumption of the impregnating agent on a sufficiently large (1 - 2 m²) test area.

Application



- Protection against driving rain for facades
- Reduction of the tendency towards pollution and greening
- For refreshing old, long-claimed hydrophobizations
- Curative impregnation of mineral paints
- Porous, mineral building materials such as brick, sand-lime brick, mineral plaster, and aerated concrete
- Mineral top layers of WDV systems

Properties



- Improves frost/de-icing salt resistance
- Water repellent
- Vapor permeable
- Excellent penetration power
- UV-resistant
- Alkali-resistant
- Excellent long-lasting effect
- Solvent-free
- Odorless
- Reduces energy loss
- PFAS-free
- Compatible with solvent-sensitive building materials

Technical specifications

Carrier	Water
Density (20 °C)	Approx. 1.0 g/m ³
Flow time s in DIN 2 cup	Approx. 47 seconds
Active ingredient	Silane/Siloxane
Active ingredient content M.-%	Approx. 10
pH Value	Approx. 7.0 neutral
Capacity	Milky, liquid

The stated values are typical product characteristics and should not be considered binding product specifications.

Possible system products

- BFA* (0673)



- **Remmers joint mortars**

Be careful when using biocides. Always read the label and product information before use!

Work preparation

■ **Requirements for the subsurface**

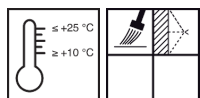
The surface must be clean, dust-free, and dry.

■ **Preparations**

Construction defects such as cracks, cracked joints, defective connections, rising damp, and hygroscopic damp must be eliminated in advance.

The necessary cleaning: however, this should be carried out as gently as possible, e.g. with cold or warm water or with a high-pressure steam cleaner. Stubborn dirt can be removed with the Rotec mist blasting technique or with Remmers cleaning products [e.g. Clean SL (0671), Clean FP (0666), Clean AC (0672), Clean WR (0675)].

Processing



■ **Processing guidelines**

Material, ambient and substrate temperature: min. +10 °C to max. +25 °C.

Apply the impregnating agent fully and densely by flowing it on pressure-free basis (avoid atomization), so that a liquid film 30 - 50 cm long runs down the surface.

Apply a measured horizontal amount from top to bottom and immediately finish with a block brush. Repeat the process several times (at least twice) (wet-on-damp) until no absorption of the impregnating agent can be detected.

Always treat surfaces that cannot be treated with a spray with a well-soaked brush.

Processing instructions

Cover adjacent components and materials that must not come into contact with the product. Protect newly treated surfaces against rain, wind, sunlight, and condensation. Remove excess impregnating agent within 1 hour with Thinner V 101.

Remark

Deviations from current standards and regulations must be agreed upon separately. Always take the available test reports into account during preparation and execution.

It must be ensured that water cannot penetrate behind the hydrophobized zone. Not suitable for solvent-sensitive materials such as polystyrene or bitumen.

A prerequisite for optimal impregnating action is the absorption of the impregnating agent; this depends on the pore volume and moisture content of the building material.

In the event of building-damaging salts, perform a quantitative salt analysis.

High salt concentrations can lead to extensive damage, which cannot be prevented by impregnation.

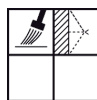
Testing the operation:

The water absorption of mineral building materials can be determined before and after hydrophobizing impregnation using the Funcosil Test Plate and Prof. Karsten's tube, respectively (Funcosil Facade Test Kit, Art. No. 4954).

This test may be performed at the earliest 2 weeks after the hydrophobizing agent has been applied. Set up a test on carbonated natural stone to test the efficacy.

Always set up a test area!

Tools / cleaning



Non-corrosive low-pressure pump, spray equipment, liquid pump, brush and block brush.

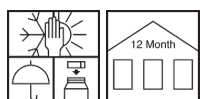
The tools must be dry and clean.

Clean the tool with water after use and during longer work interruptions.

Remmers tools

- **Funcosil test tubes (4928) Salt**
- **Test Set (4953)**
- **Funcosil Test-Set (4954)**
- **Gloria CleanMaster PERFORMANCE PF 50 (4666)**
- **Gloria CleanMaster EXTREME EX 100 (4665)**

Storage / shelf life



Store in unopened, original packaging in a cool, dry, and frost-free place for at least 12 months.

Use opened packaging as soon as possible.

Safety regulations

Further information regarding safety in transport, storage, waste, and ecology can be found in our latest safety data sheets.

Personal protective equipment

When applying by spraying, respiratory protection filter P2 and eye protection are required. Wear suitable protective gloves and clothing.



Waste

Larger product residues must be disposed of in the original packaging in accordance with applicable regulations. Completely empty packaging must be recycled. Must not be disposed of with household waste. Do not throw down the sink. Do not discharge into the sewer system.

Biocidal Products Regulation

Contains as a "treated product" a biocide (Top preservative) containing the active substance(s) as biocide 1,2-benzisothiazol-3(2H)-on; reaction mass (3:1) of 5-chloro-2-methyl-2H-isothiazol-3-on and 2-methyl-2H-isothiazol-3-on to protect the contents of the packaging against spoilage by microorganisms (bacteria, yeasts, etc.). The handling instructions must be strictly observed!

The above data is based on the latest developments and processing techniques compiled.

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