



Technical Data Sheet
Art. No.0617

Funcosil OFS

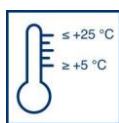
Oil, grease, water and soil repelling, environmentally correct, water based, protective impregnation



Water based



For use
indoors and
outdoors



Working
temperature



Brush/roller
Low pressure
spraying



Total applica-
tion rate



Store frost-free
and cool,
protected from
moisture in
closed containers



Shelf-life

Range of use

Funcosil OFS can be used for treating mineral building materials (e.g. silicate bound natural stone such as OBERNKIRCHENER SANDSTEIN®) in floor and wall areas, to clearly reduce their tendency to soil (through oil, grease, dirt, etc.).

Please observe: The suitability of this agent must be checked first on marble and other acid-sensitive, poorly absorbent types of stone with polished surfaces as well as on all types of fine stoneware (uniform wetting, absorbency, change in gloss, etc.). This is also advisable for surfaces that were treated earlier with other products.

Property profile

Funcosil OFS is a water based, environmentally correct impregnation agent that makes surfaces easier to maintain. After drying the surface repels oils, grease, dirt and water.

The effective ingredient reacts in the building material in the presence of moisture, forming a water

Characteristic data of the product

Characteristic data of the product in the packaged state:

Active ingredient base:	acrylic copolymer that contains fluo- rine
Carrier:	water
Density:	1.0 kg/l
Viscosity:	approx. 10 mPas
Appearance:	milky

Characteristic data of the product after application:

Water absorption	very little
Absorption of oil, grease and soil:	very little
Anti-adhesion effect:	strong
Weathering stability:	given
Long-term effect:	given
Tack-free drying:	given

repelling, UV and weather resistant network: After application, the active ingredient is deposited on the walls of capillaries and pores in the form of a macro-molecular layer which does not noticeably influence water vapour diffusion capacity.

Substrate

Residue (e.g. surface-active agents) from prior cleaning may impair the oil repelling effect and must be completely washed off. A

prerequisite for an optimal impregnation effect is the building material's ability to absorb the impregnation agent. This depends on the respective pore volume of the building material and its moisture content which is why the substrate must be dry.

It must be ensured that water and salts that cause damage dissolved in water cannot migrate behind the treated zone.

Higher concentrations of salts will cause serious damage to

the building that cannot be prevented by treating with Funcosil OFS.

Floor surfaces should not have been treated with wax based materials before Funcosil OFS is applied.

Adjacent surfaces

Building elements and materials that should not come in contact with the product (e.g. glass, varnished surfaces and surfaces to be varnished) and plants must be protected by covering, e.g. with plastic sheets.

Directions

On floor areas, the impregnation agent is to be applied generously. After the impregnation agent has been absorbed, the procedure is repeated 1 – 2 times, wet-on-wet. On wall areas, the impregnation agent is to be applied generously in a flow coating procedure under gravity. After the impregnation agent has been absorbed, the process is repeated several times. Work over the surfaces again with a brush. To avoid missing places, limited sections should be completely impregnated without interruption.

Note:

Certain materials may appear to be darker after impregnation. We recommend setting up a trial area.

When applying in floor areas, make sure that excess material does not remain on the surface. Remove excess material with a rubber wiper or take up with a non-fraying rag. If the material is not uniformly applied, there are drafts or large differences in the temperature of the surface, the surface may not look uniform.

Always use material with the same batch number for continuous surfaces.

Working temperature:

Impregnation can be carried out at temperatures between + 5 and + 25° C.

Cleaning and maintenance:

As a rule, soiling caused by grease and oil can be easily removed from treated surfaces with clean water or conventional cleaners (free of surface-active agents).

Treated surfaces are maintained with warm water to which approx. 1.5-2% Funcosil OFS has been added (one cup of Funcosil OFS to 10 litres of mop water).

Tools, cleaning

All low pressure conveyor and spraying equipment, liquid pumps (spraying pressure and nozzle diameter should be selected so that misting does not occur) as well as lambskin rollers, wide brushes, sponges and mops are suitable tools. The equipment should be dry and clean. Clean tools and equipment thoroughly with water after use and before longer interruptions.

Packaging, application rate, shelf-life

Packaging:

5 l and 30 l plastic canisters

Application rate:

limestone: approx. 0.2-0.6 l/m²
clinker: approx. 0.2-0.5 l/m²
natural stone: approx. 0.5-1.0 l/m²
terracotta: approx. 0.3-0.8 l/m²

The quantities of impregnation agent required for calculation and tendering should be determined on a sufficiently large trial area (1-2

m²). This surface can also be used for testing the effectiveness as well as the resulting appearance of the impregnation.

Shelf-life:

At least 12 months in closed, original containers stored cool but frost-free

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

Personal protective equipment is required for spraying. Use respiratory equipment with a particle filter P2 (made by, e.g. Dräger). For suitable protective gloves, see Safety Data Sheet. Wear closed work clothes.



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