



Sigilfuga FS

Cement-based sealant with extra fine grain for indoor and outdoor joints from 0 to 4 mm.



Fields of application:

- indoor and outdoor grouting of joints from 0 to 4 mm with smooth finishing in 12 colors;
- to grout floor and wall tiles of any size in porcelain stoneware, low thickness stoneware, thin stoneware, klinker, single and double fired material, glass mosaic, ceramic mosaic, natural or artificial stones, granites and bricks;

Characteristics:

Sigilfuga FS is a one-component cement-based grout with standard setting and low absorption, anti-mould and anti-bacterial, classified CG2WA according to norm EN 13888. The formula of **Sigilfuga FL**, made up of spheroidal aggregates, pure modified binders, setting-adjuster polymers, results in a very high dimensional resistance of the joints with a mixture open time of 2 hours, making it ready for walk over after 24 hours and ready for use in 7 days, guaranteeing lasting, easy and safe protection and decoration of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

Preparation:

the joints between the tiles must be free of dust and laying residue and must be at least two-thirds empty. The laying bed must be dry. If using absorbent materials and if room temperatures are over 25°C, pour water onto the joints until it is no longer absorbent and then wait a few minutes before beginning grouting.

Application:

to ensure the product is mixed correctly, the clean mixing water or **Sigilflex** latex should be poured into the container first, followed by the sealant powder. If the mixture is too runny, the end colour may not be event and efflorescent may occur. Use a mechanical mixer at low speed to ensure an even, lumpfree paste. Leave to rest for a few minutes and then remix. The mortar is now ready for application. When applying to floor tiles, the mixture can be made runnier by increasing the amount of water or **Sigilflex** used (approx. 24%).

- when mixed with Sigilflex it is indicated for grouting surfaces subject to heavy thermal and mechanical stresses (outdoor façades, terraces, swimming-pools, fountains, saunas, spas, heating floors, premises with high traffic);
- professional use only.

The mixing ratio (17-20%) may vary depending on the colour used. If the mixture is already hardening, do not attempt to restore workability by adding water. Do not add other aggregates or hydraulic binders to **Sigilfuga FS**. Spread the mixture with a rubber trowel, working crosswise to the joints. Wait for the sealant to set partly (it becomes opaque in approx. 10-20 minutes) and proceed with the final cleaning of the tile surface using a damp sponge and rinsing it off frequently. The cleaning must be carried out completely, removing any rings with a cloth. Cleaning too early, when the mixture is still wet, would remove some of the sealant from the joints and may cause steaking in the colour, cleaning once the mixture is set, on the other hand, would be much harder. It is important to pick exactly the right moment for cleaning, i.e. when the mixture is partially set. We recommend you proceed with the filling by working in small enough areas to be able to fill the joints and clean the tiles before the filler sets fully. To facilitate removal of the set mixture from tiles, it is advisable to start with a damp abrasive felt pad or a single disk rotary floor machine, before cleaning with a sponge. If, following inadequate cleaning, the surface still has sealant residues on it or rings, acidic detergent **Detergente AC** can be used. You must wait 7 days after grouting before using it and follow the instructions on the pack exactly.

Quality and Environmental Standards:

Sigilfuga FS undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

Characteristics	Application methods	Storage
Extra-fine grain Excellent workability Anti-mould, anti-bacterial Resistance to temperature from -30°C to +90°C Resistance to compression after 28 days (EN 12808-3) 40 N/mm ² Resistance to abrasion (EN 12808-2) 300 mm ³ Granulometry: 0.1 mm	Rubber trowel	Shelf life 24 months - 5 kg bag Shelf life 12 months - 20 kg bag in the original packaging, stored in a dry place

Quantities required (per mm of width): Sigilfuga FS for joints ranging to 4 mm.

Tile size	2 x 2	2.5 x 2.5	10 x 10	15 x 15	20 x 20	20 x 25	30 x 30	40 x 40	30 x 60
Quantity required kg/m ²	0.26	0.21	0.17	0.15	0.11	0.10	0.08	0.06	0.06

COLOR RANGE



Code	Product	Color	Packages	Pallet
200145	SIGILFUGA FS	1 White	5 kg x 4 pz	480 kg
200120	SIGILFUGA FS	1 White	20 kg	480 kg
200245	SIGILFUGA FS	2 Jasmine	5 kg x 4 pz	600 kg
200945	SIGILFUGA FS	9 Light Brown	5 kg x 4 pz	480 kg
201545	SIGILFUGA FS	15 Beige	5 kg x 4 pz	480 kg
201845	SIGILFUGA FS	18 Leather Brown	5 kg x 4 pz	480 kg
202945	SIGILFUGA FS	29 Silver	5 kg x 4 pz	480 kg
203045	SIGILFUGA FS	30 Cement Grey	5 kg x 4 pz	480 kg
203020	SIGILFUGA FS	30 Cement Grey	20 kg	480 kg
203145	SIGILFUGA FS	31 Anthracite	5 kg x 4 pz	600 kg
203120	SIGILFUGA FS	31 Anthracite	20 kg	480 kg
203245	SIGILFUGA FS	32 Black	5 kg x 4 pz	600 kg
203345	SIGILFUGA FS	33 Manhattan	5 kg x 4 pz	480 kg
203645	SIGILFUGA FS	36 Materia	5 kg x 4 pz	480 kg
203745	SIGILFUGA FS	37 Rose	5 kg x 4 pz	480 kg
203845	SIGILFUGA FS	38 Bauxite	5 kg x 4 pz	480 kg
203945	SIGILFUGA FS	39 Ocher	5 kg x 4 pz	480 kg
204305	SIGILFUGA FS	43 Caramel	5 kg x 4 pz	480 kg
204405	SIGILFUGA FS	44 London	5 kg x 4 pz	480 kg
204505	SIGILFUGA FS	45 Vanilla	5 kg x 4 pz	480 kg

Warnings:

- do not use **Sigilfuga FS** for joints smaller than 3 mm or larger than 15 mm;
- the mixing water must be clean and salt-free;
- measure out the amount of water required accurately to prevent the formation of efflorescence on the joint surface;
- when mixing with **Sigilfuga FS** latex, always use the same proportions of admixture to prevent colour differences in the sealant;
- do not use **Sigilfuga FS** for acid resistant joints which must be able to withstand contact with chemicals;
- do not use **Sigilfuga FS** for flexible diving joints;
- failure to follow the pre-laying operation times specified could result in efflorescence and the formation of limescale deposits brought to the surface by rising damp.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	approx. 30-32% of weight
Specific weight of mixture:	2.0 g/cm³
Mixture pH:	over 12
Pot life:	approx. 2 hours
Application temperature:	from +5°C to +35°C
Joint sealant hardening time with tiling laid using standard adhesives:	approx. 4-7 hours (on walls) 1 day (on floors)
Joint sealant hardening time with tiling laid using fastsetting adhesives:	approx. 2 hours (on walls) approx. 3 hours (on floors)
Walk over-time:	24 hours
Ready for use:	approx. 7 days

FINAL PERFORMANCE SPECIFICATIONS EN 13888 (N/mm²)

Resistance to bending after 28 days (EN 12808-3):	7.40 N/mm²
Resistance to compression after 28 days (EN 12808-3):	40 N/mm²
Resistance to bending after freeze-thaw cycle (EN 12808-3):	3.6 N/mm²
Resistance to compression after freeze-thaw cycle (EN 12808-3):	32 N/mm²
Abrasion resistance (EN 12808-2):	300 mm³
Shrinkage (EN 12808-4):	1.4 mm/m
Water absorption after 30 min. (EN 12808-5):	1,2 g
Water absorption after 4 h (EN 12808-5):	3.0 g
Resistance to acids:	fair if over PH3
Resist. do damp, solvents, alkalis, oils, ageing:	good
Temperature resistance:	from -40°C a +90°C
Harmonised customs code:	38245090

Measurement of data at +23°C / 50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

