



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 white **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. to damp, solvents, alkalis, oils, ageing: | good |
| Temperature resistance: | from -40°C to +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.

