



Flexible joint mortar **CRISTALLFUGE-HF**

High-strength flex joint mortar 3-20 mm, CG2 W A

Properties

- Rapid setting
- Very good binding and wash-off properties
- 3 - 20 mm joint width, curing without cracks
- For porcelain stoneware and many other coverings
- Increased abrasion resistance
- Resistant to high-pressure cleaning
- Fungus-resistant
- For interior and exterior use and under water
- Water-repellent
- Frost/thaw-resistant
- Suitable for floor and wall heating systems
- Colours matched to the ESCOSIL-2000 and ESCOSIL-2000-ST silicone system

Areas of use

- CRISTALLFUGE-HF is suitable for grouting porcelain stoneware, vitrified tiles and stoneware boards, brick tiles, artificial stone, facing bricks, veneer and floor bricks in baths, showers, and living areas, on terraces, balconies and loggias, and façades, as well as heating flow screeds for joint widths from 3–20 mm.
- CRISTALLFUGE-HF is especially suited to grouting tiled finishes in swimming pools, car washes, commercial kitchens, sales showrooms, commercial and industrial facilities, and workshops due to its high mechanical durability.
- CRISTALLFUGE-HF may be used in areas where high mechanical stress occurs, e.g. due to cleaning equipment, high-pressure steam cleaners, or mechanical floor cleaning machines. With increased resistance to cleaning chemicals. Neutral and alkaline cleaners with correct dosage can be used without limitation.

Application

1. Mix CRISTALLFUGE-HF with clean water in a clean mixing bucket. Add 4.1-4.5 l water depending on the desired consistency, add 25 kg CRISTALLFUGE-HF, and then stir into a homogeneous, smooth compound. We recommend mixing with a suitable stirrer. After an activation time of 3 minutes, the joint mortar is stirred again. In order to avoid colour differences, the mix ratio must always be kept the same.
2. CRISTALLFUGE-HF is added to the wall and floor areas with a suitable jointing board and pulled diagonally to the joint cleanly, so that the joint cross-section is filled completely. Do not scatter dry joint mortar powder.
3. After applying the joint mortar, wash the surface first with a moist sponge board approx. 15–20* minutes (control via finger test). After approx. 10-15 minutes, wash off again with the sponge board.

Please refer to the currently valid technical data sheet for additional instructions.

Application

- After the bedding mortar sets, scratch out the joints sufficiently deep.
- Next, clean the tiled finish sufficiently damp.
- The bedding mortar must be fully set, since otherwise discolourations in the grout finish could result.
- Pre-moisten strongly absorbing coverings with water equally.
- Joint edges must be clean and free of separating substances.
- The time of grouting of the tiles set in the thin-bed depends on the thin-bed mortar and amounts to approx. 3 to 72 hours.
- In case of thick-bed laying, the mortar bed must be sufficiently firm and equally dry.
- Do not grout on surfaces with different surface temperatures (e.g. due to sun exposure).
- The consistency of joint mortar must be specified depending on the absorbency of the covering and substrate to be grouted.

Tiles/boards format (in cm)	Joint width (in mm)	Joint depth (in mm)	approx. consumption each 1 m ² (in kg)
20.0 × 20.0	4.0	8.0	0.74
30.0 × 30.0	5.0	8.0	0.61
30.0 × 30.0	5.0	15.0	1.15
40.0 × 40.0	5.0	10.0	0.58
30.0 × 5.0	8.0	10.0	3.80
24.0 × 11.5	10.0	12.0	3.40
24.0 × 11.5	10.0	20.0	5.60



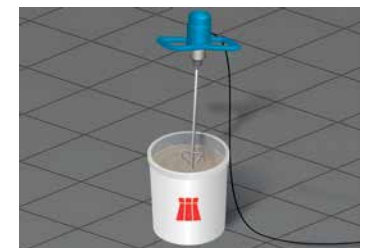
1 Available floor surface, bonding bed is set



2 CRISTALLFUGE-HF, suitable tools



3 Fill the joint mortar into a clean mixing bucket



4 Mix the joint mortar



5 Apply the joint mortar



6 Slide diagonally across excess joint mortar



7 Emulsify the joint mortar after setting



8 Rinsing off surfaces diagonally to the joint direction



9 Finished and jointed floor surface



Note: The adjacent floor jointing process is also valid for wall areas

Flexible high-performance mortar

CRISTALLFUGE-HF

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Technical data

Basis	Cement, high-quality additives, special aggregates
Colours	cement grey, medium grey
Classification	EN 13888 CG2 W A
Application temperature	+5 °C to +25 °C
Pot life*	approx. 30-45 minutes
Water addition	4.1 -4.5 l water: 25 kg CRISTALLFUGE-HF
Consumption	see consumption table
Foot traffic*	after approx. 6 hours
Withstands loads*	after at least 7 days
Packaging	25 kg foil sack

* at +23 °C and 50% rel. humidity

Colours* *



** Colour deviations are due to printing technology.

SCHOMBURG GmbH
 Aquafinstraße 2-8
 D-32760 Detmold (Germany)
 Telephone +49-5231-953-00
 Fax +49-5231-953-333
 www.schomburg.com

