

# GROUTING CAN BE SO SIMPLE!

The **CRISTALLFUGE** product family  
for any application. Including colour compatibility.



 **SCHOMBURG**

# The right grout mortar for every application.

One family, five members  
- that's the **CRISTALLFUGE product family**.

It significantly enhances the aesthetics of a ceramic covering and allows living rooms and commercial areas to be individually designed with up to 15 different colours. The colours are matched based on the materials in the grouting mortar. The **CRISTALLFUGE product family** offers everything for a high quality premium tile design.

With this Infoplip, you can easily and confidently find the right grouting mortar for your project.



# CRISTALLFUGE

## FLEXIBLE FINE JOINT MORTAR 1-6 MM

### Product characteristics:

- For interior use
- Quickly use
- Smooth consistency
- Vapour permeable
- Good binding and wash-off properties
- Meets CG2 requirements as per DIN EN 13888

### Technical data:

Application/substrate temperature:	+5 °C to +25 °C
Pot life:	approx. 60 minutes
Joint width:	1 to 6 mm
Foot traffic:	after approx. 12 hours
Fully load bearing:	after approx. 2 days

### Areas of use:

- Grouting of absorbent ceramic tiles made of earthenware
- Walls and floors in dry, damp and wet areas
- Floor and wall heating systems

### Advantages:

- Very good jointing behaviour with absorbent tile fragments
- Brilliant colour



### Packaging

5 kg bag (5 kg × 4 / package)  
10 kg bag

# CRISTALLFUGE - PLUS

## MULTIFUNCTIONAL, RAPID, FLEXIBLE, FINE-JOINT MORTAR 1-10 MM

### Product characteristics:

- For interior and exterior use
- Rapid crystalline binding of the mixing water
- Protected against bacterial attack and fungal infestation
- Protects against discolouration caused by the stone's own constituents with sensitive laying materials
- Meets the requirements of CG2 WA as per DIN EN 13888

### Technical data:

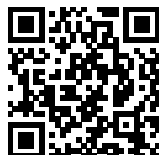
Application/substrate temperature:	+5 °C to +25 °C
Pot life:	approx. 30-45 minutes
Joint width:	1 to 10 mm
Foot traffic:	after approx. 2 hours
Load bearing:	after approx. 1 day

### Areas of use:

- Discolouration-free grouting of sensitive natural stones, e.g. limestones, Jura marble, Solnhofen slabs, sensitive light crystalline marble, granite and other natural stones
- Walls and floors in dry, damp and wet areas
- Floor and wall heating systems
- Suitable for indoor use according to the evaluation scheme of the AgBB (committee for health-related evaluation of building products)

### Advantages:

- Long working time and no burning on the tile surface
- Quick usability of the grouted tile or natural stone surface
- Smooth grouting with almost filled joint cross-section
- Uniformly brilliant grout finish with a variety of ceramic coverings



### Packaging

5 kg bag (5 kg × 4 / package)  
10 kg bag

## REACTION RESIN FINE JOINT COLOURED MORTAR 3-K 1-15 MM

### Product characteristics:

- For interior and exterior use
- Very good water retention and cleaning
- Very smooth, easy to process
- Protected against bacterial attack and fungal infestation
- Low water absorption
- Chemical resistance
- Mechanically resistant
- Non-slump adhesion
- Meets the requirements of DIN EN 13888 RG2 and DIN EN 12004 R2 T

### Technical data:

Application/substrate temperature:	+10 °C to +30 °C
Pot life:	approx. 60 minutes
Joint width:	1 to 15 mm
Foot traffic:	after approx. 16 hours
Fully load bearing:	after approx. 7 days

### Areas of use:

- Grouting of ceramic tiles
- Wall and floor, in dry, damp and wet rooms, swimming pools, wellness facilities, in the demanding private sector, in breweries, large kitchens, laboratories, dairies, meat processing plants and other areas of the food and chemical industry
- Floor and wall heating systems
- Indoor use according to the evaluation scheme of the AgBB (committee for health-related evaluation of building products)

### Advantages:

- Up to 70% time savings when grouting compared to conventional reaction resin mortars, because emulsification and washing are done in one operation with a hydro sponge board
- More m<sup>2</sup> grouted area per hydro sponge board, saving costs and avoiding waste
- Less work effort
- Identical colours to all cement-based grouts in the CRISTALLFUGE product family



### Packaging

3.5 kg bucket  
with internal components  
in predetermined mix ratio

# CRISTALLFUGE - FLEX

## FLEX GROUTING MORTAR FAST 3-20 MM

### Product characteristics:

- For interior and exterior use
- Rapid setting
- Water-repellent
- Very flexible
- Very smooth, easy to process
- Vapour permeable
- Good binding and wash-off properties
- Meets the requirements of CG2 WA as per DIN EN 13888

### Technical data:

Application/substrate temperature:	+5 °C to +25 °C
Pot life:	approx. 30 minutes
Joint width:	3 to 20 mm
Foot traffic:	after approx. 2 hours
Fully load bearing:	after approx. 7 days

### Areas of use:

- Grouting of fully vitrified tiles, vitrified and earthenware tiles, brick tiles, brick slips, facing and floor clinkers
- Baths, showers and living rooms, on terraces, balconies and loggias, on façades, in swimming pools, commercial and industrial facilities
- Floor and wall heating systems
- Grouting of natural stone if the product-specific properties of the natural stone material allow this, and discolouration, e.g. due to the stone's own components, can be ruled out

### Advantages:

- Safely withstands thermal stresses
- Quick use of grouted tiled finish



### Packaging

5 kg bag (5 kg × 4 / package)  
25 kg bag



## HIGH-STRENGTH FLEX JOINT MORTAR 3-20 MM

### Product characteristics:

- For interior, exterior and under water
- High strength, greater abrasion resistance
- Water-repellent
- Fungus resistant
- Resistant to high-pressure cleaning
- Meets the requirements of CG2 WA as per DIN EN 13888

### Technical data:

Application/substrate temperature:	+5 °C to +25 °C
Pot life:	approx. 30-60 minutes
Joint width:	3 to 20 mm
Foot traffic:	after approx. 6 hours
Fully load bearing:	after approx. 7 days

### Areas of use:

- Grouting of fully vitrified tiles, vitrified tiles, brick tiles, brick slips, facing and floor clinkers
- Tile coverings in swimming pools, washing facilities, commercial kitchens, sales rooms, commercial spaces, industrial plants and workshops and in areas with higher mechanical loads, e.g. from cleaning equipment, high-pressure steam cleaners or scrubbing machines
- Floor and wall heating systems
- Baths, showers and living rooms, on terraces, balconies and loggias, and on façades
- Neutral and alkaline cleaners with correct dosage can be used without limitation

### Advantages:

- Very good resistance to neutral and alkaline cleaners
- Greater resistance to acidic cleaners compared to conventional cement-based grouting mortars
- High resistance to mechanical cleaning devices and high-pressure cleaners



### Packaging

25 kg bag



## HIGH-RESISTANCE EPOXY RESIN ADHESIVE AND GROUT MORTAR 1-20 MM

### Product characteristics:

- For interior and exterior use
- Easily washed off with water when fresh
- Very smooth, easy to process
- Great hardness and high adhesion, load and bending resistance
- Resistant to a multitude of acids, alkaline solutions, concrete-damaging water, cleaning agents, seawater and brine
- Non-slump adhesion
- Meets the requirements of DIN EN 13888 RG2 and DIN EN 12004 R2 T

### Technical data:

Application/substrate temperature:	+10 °C to +30 °C
Pot life:	approx. 60 minutes
Joint width:	1 to 20 mm
Foot traffic:	after approx. 16 hours
Fully load bearing:	after approx. 7 days

### Areas of use:

- For bonding ceramic tiles and boards and adhering ceramic tiles and boards using the thin-bed method, on concrete, screed, plaster, old tiled finishes and other substrates in accordance with DIN 18157, Part 3
- Areas such as commercial kitchens, laboratories, swimming pools, breweries, dairies, meat processing plants and other areas of the food and chemical industry
- Floor and wall heating systems
- System component of the DENSARE-PREMIUM and ASOFLEX-AKB systems

### Advantages:

- Up to 70% time savings when grouting compared to conventional reaction resin mortars, because emulsification and washing are done in one operation with a hydro sponge board
- More m<sup>2</sup> grouted area per hydro sponge board, saving costs and avoiding waste
- Less work effort



### Packaging

6 kg plastic bucket





## Just calculate the required quantities!

The required amount of grouting mortar depends on

- Tile/stone length (cm)
- Tile/stone width (cm)
- Joint width (mm)
- Joint depth (mm)
- Surface to be grouted (m<sup>2</sup>)

Scan the QR code, enter the relevant data, and you'll quickly receive the required amount of your desired CRISTALLFUGE grouting mortar.



Any questions?

You can find further details on your personal contact on-site or your regional team at [schomburg.com](http://schomburg.com).

# Colour chart



## Colour

Colour	CRISTALLFUGE	CRISTALLFUGE PLUS	CRISTALLFUGE EPOX	CRISTALLFUGE FLEX	CRISTALLFUGE HF	ASODUR-EKF
white	■	■	■	—	—	—
jasmine	■	■	■	—	—	—
pergamon	■	■	■	—	—	—
Bahama beige	■	■	■	—	—	—
beige	■	■	■	—	—	—
caramel	■	■	■	—	—	—
Jura beige	■	■	■	—	—	—
silver grey	■	■	■	—	—	—
grey	■	■	■	—	—	—
titanium grey	■	■	■	—	—	■
medium grey	■	■	■	■	■	■
sand grey	■	■	■	■	—	—
cement grey	—	—	—	■	■	—
graphite	■	■	■	■	—	—
brown	■	■	■	—	—	—
nut brown	■	■	■	—	—	—
anthracite	—	—	—	■	—	—
black	—	—	—	—	—	■

**NOTE:**

The product-specific properties of the tiles and boards must be taken into account. We recommend trial jointing. The silicones ESCOSIL-2000 and ESCOSIL-2000-ST are available in matching colours.

Colour deviations are due to printing technology.



# Application matrix

	CRISTALLFUGE	CRISTALLFUGE PLUS	CRISTALLFUGE EPOX	CRISTALLFUGE FLEX	CRISTALLFUGE HF	ASODUR-EKF
<b>Material basis</b>	Cement	Cement	Resin based	Cement	Cement	Resin based
Strength DIN EN 13888	CG2	CG2 WA	RG2	CG2 WA	CG2 WA	RG2

## Area of application

Earthenware tile	■	■	■	-	-	■
Vitrified tiles	■	■	■	■	■	■
Fully vitrified tiles <sup>1</sup>	-	■	■	■	■	■
Natural stone sensitive to discolouration	-	■	■	■	■	■
Natural stone insensitive to discolouration	-	■	■	■	■	■
Cotto <sup>2</sup>	-	■	-	■	■	-
Household cleaner bath/shower (acidic, also not declared)	-	-	■	-	-	■
Limited chemical resistance	-	-	■	-	-	■
High chemical resistance	-	-	■	-	-	■
High mechanical resistance	-	-	■	■	■	■
Water and dirt repellent	-	■	■	■	■	■
Glass mosaic dry area	■	■	■	-	-	■
Glass mosaic shower area	-	■	■	-	-	■
Glass mosaic underwater area	-	-	■	-	-	■
Swimming pools drinking water	■	-	■	■	■	■
Swimming pool salt/thermal water	-	-	■	-	-	■
Swimming pool low water hardness	-	-	■	-	-	■
Balconies/terraces	-	-	■	■	■	■

\*Carrying out trial grouting

<sup>1</sup> With polished fully vitrified tiles, colour pigments can settle in the micropores that may be present in the surface of the tiles. Therefore, a strong colour contrast between the tile and grout is not advisable

<sup>2</sup> In the case of open-pored coverings, e.g. cotto and hand-moulded tiles, grouting aids (e.g. Möller Chemie, Fila, Patina Fala, Stingel Chemie) should be used before grouting, if necessary

■ recommended  
 ■ suitable  
 - not suitable

Subject to changes. Consult current Technical Data Sheet for most recent information.

SCHOMBURG GmbH & Co. KG  
Aquafinstraße 2-8  
D-32760 Detmold (Germany)  
Telephone +49-5231-953-00  
Fax +49-5231-953-333  
[www.schomburg.com](http://www.schomburg.com)



48/21 DMM/KK/LW Infolip is a registered trademark. This Infolip is Made in Germany by Infolip Medien GmbH.

 **SCHOMBURG**