

Flexible Grout Mortar

UZIN Brillant Flex Basic

Water-repellent, flexible grout mortar for interior and exterior wall and floor tiling

Description:

Universal flexible grout mortar which fulfils the increased requirements of Class CG 2 to DIN EN 13 888. For stress-relieving laying of ceramic tiles and artificial and natural stone coverings not prone to discoloration. For joint widths from 3 – 15 mm. For interior and exterior wall and floor tile coverings.

Suitable for/on:

- ▶ tiles and panels, stoneware, earthenware, terracotta
- ▶ natural, concrete and artificial stone coverings not prone to discoloration
- ▶ clinker and facing brickwork
- ▶ small, medium and glass mosaic
- ▶ facades
- ▶ balconies and terraces
- ▶ transport works such as tunnels, stations etc.
- ▶ areas subject to high stresses, e.g. due to water and temperature change
- ▶ residential, commercial and industrial areas
- ▶ underfloor heating

Product Properties / Benefits:

UZIN Brillant Flex Basic is a highly plasticized, dry mortar in powder form, which on mixing with water produces a smooth, "low slump" hydraulically hardening grout mortar. After application, UZIN Brillant Flex Basic hardens crack-free and flexibly.



Composition: Special cements, mineral aggregates and additives.

- ▶ For joint widths from 3 – 15 mm
- ▶ Smooth and easy to apply
- ▶ Quickly washable
- ▶ Flexible and water-repellent
- ▶ High edge adhesion
- ▶ High abrasion resistance
- ▶ Waterproof and frost-resistant
- ▶ Low in chromate

Technical Data:

Packaging:	paper sack
Package size:	12.5 kg
Shelf life:	6 months
Colour:	cement grey
Mixing ratio:	approx. 2.2 litres per 12.5 kg sack 180 ml pro kg
Working temperature:	5 °C to 25 °C / 41 °F to 77 °F
Working time:	approx. 30 minutes
Set to foot traffic:	after approx. 3 hours*
Load bearing:	after 1 day*
Final strength:	after 28 days*

* At 23 °C / 73 °F and 50 % rel. humidity.

Substrate Preparation:

Scratch mortar remains evenly out of the joints to the depth of the tiles. Then clean the surface thoroughly.

Apply only after complete hardening and drying of the substrate mortar. The application time depends on the thin-bed mortar used.

Note the Product Data Sheets of the other UZIN products used.

Application:

1. Place 2.2 litres of cold, clean water into a clean container. Sprinkle in the contents of the bag (12.5 kg) while stirring vigorously, and mix into a smooth, plastic mortar. For smaller quantities, use approx. 180 ml of water per 1 kg of powder.
2. Leave to stand for approx. 3 minutes. Then stir thoroughly again.
3. Apply grout mortar deep and flush into the joint using a plastic trowel or foam rubber applicator and draw off diagonally to the direction of the joint. Scour off again if necessary. Leave as little grout mortar as possible on the floor covering surface. Partly set mortar must not be stirred again or mixed with water.
4. After initial setting of the mortar (finger test), clean the tile surface using a damp sponge or squeegee. Always use clean water, changing the water several times if necessary. Wash and wring out the sponge frequently.
5. If necessary, remove any remaining streaks after further hardening of the joint (after approx. 1 hour) using a slightly damp sponge. Do not use any dry cloths for cleaning.
6. Clean tools thoroughly with water immediately after use.

Consumption:

Tile size in mm	Joint width in mm	Joint depth in mm	Approx. consumption in kg/m ²	Approx. coverage of 2.5 kg sack in m ²
100 x 100	3	4	0.5	25
200 x 200	4	5	0.4	31
300 x 300	5	7	0.5	25
118 x 244	6	6	0.9	14

Different amounts of water, application methods and edge shapes may alter these consumption figures.

Important Notes:

- ▶ May be stored in original container in dry conditions for up to 6 months. Reseal opened containers carefully and use contents as quickly as possible.
- ▶ Best applied at temperatures of 5 °C to 25 °C / 41 °F to 77 °F. Drying and hardening will be slowed down by lower temperatures and accelerated by higher temperatures.
- ▶ Highly absorbent tile coverings should be wetted down before application, or other suitable application aid (impregnation) used.
- ▶ Different absorption properties, mixing water ratios, uneven humidity effects and joint depths (e.g. undersurface construction, mortar bed) will affect the hydration of the grout mortar. This may result in colour variations in the joint, although this does not impair the quality of the grout mortar, and will increasingly be evened out under favourable ambient conditions. Wet the joints down if necessary.
- ▶ Protect freshly laid surfaces against draughts, direct sunlight and the effects of heat.
- ▶ For swimming pools, drinking water containers and areas subject to increased chemical stresses, such as highly acidic cleaning agents, apply UZIN products in accordance with the applicable UZIN product overview, or seek technical advice.
- ▶ In order to avoid colour variations in the grout mortar, use grout mortar from the same batch wherever possible.
- ▶ Floor coverings with a rough, unglazed or open-pored surface should be cleaned as quickly as possible after grouting, in order to prevent streaks setting in the surface. If necessary, check the washability of the floor covering before grouting or lay a test surface.
- ▶ If white streaks still remain after cleaning, these can be removed after 2 – 3 days using a cement-streak remover. Wet the joints down thoroughly and follow the application instructions of the cleaner.
- ▶ In addition to all applicable standards, guidelines and data sheets, the following should also be observed:
 - DIN 18 352 "Tiling and panelling work"
 - DIN 18 157 "Ceramic work using the thin-bed process"
 - ZDB data sheets: "Tiling and panelling floor coverings in exterior areas", "Movement joints in claddings and coverings of tiles and panels", "Ceramic tiles and panels, natural stone and concrete slabs on heated floor surfaces".

Protection of the Workplace and the Environment:

Irritant. Contains cement which produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, consult a doctor. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

Disposal:

Dispose of empty packaging according to local regulations. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.