



DEKOGROUT+

Multi function grout, ideal for big formats. Excellent for porcelain, natural or synthetic stone

- + Nice: smooth, compact surface
- + Durable: easy to clean and resistant to chemical and mechanical stress
- + Healthy : certified EC1 with low emission of volatile organic substances
- + Water repellent, resistant to mold and bacteria
- + Versatile: for internal and external use and for surfaces subject to continuous immersion
- + Quick and easy to apply: long life paste (45'), but practicable in 6 hours

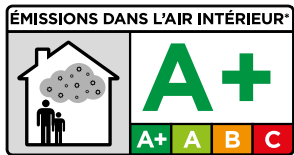
It is possible to clean immediately after application without waiting.

For seams of up to 10 mm width, perfect for rectified tiles.

For floors and walls with heating systems.

Colours matched to the DEKOSIL silicone system.

Fulfils the requirements of EN 13888, CG2WA



TECHNICAL FEATURES: DEKOGROUT+ is a special rapid hardening hybrid powder grout made from cement, high tech polymers, aggregates with selected granulometry and special additives; ideal for grouting ceramic floors and walls of every kind, on a great variety of different supports, possessing exceptional waterproofing capabilities and resistance to chemical and mechanical aggression agents. Formulated to harden quickly with no shrinkage, it is suitable for grouting even delicate natural stone products otherwise subject to discoloration or dimensional variations. DEKOGROUT+ is more resistant to stains, mold and bacteria and guarantees a superior appearance, resistance to aging and cleaning of seams. DEKOGROUT+ is available in 15 colors.

AREAS OF APPLICATION: DEKOGROUT+ can be used for seams in interior and exterior areas, for vitrified mosaics, every type and format of ceramic tiles and natural stone, even that subject to dimensional variations and discoloration. DEKOGROUT+ can be used for seams up to 10 mm in bathrooms, showers, terraces, rooms, balconies and patios, as well as facades, swimming pools, commercial areas, on floating and heated screeds, everywhere you wish to cover with superior beauty, durability, hygiene and cleaning characteristics.

CONTRACT ITEM SPECIFICATIONS:

Floor and wall coverings must be grouted with a cement-based, antibacterial, flexible, mould resistant, water-repellent grout, EC1 PLUS certified and tested in accordance with EN 13888 class CG2WA, like DEKOGROUT+ by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

METHOD OF USE:

Environmental conditions

For a good, final job with DEKOGROUT+, the environmental conditions are important because they may have a great influence on the times of workability of the product and on the light foot traffic on the floors, for this reason, during the application of the system, the temperature must be between 5°C and 35°C. protect the surface from direct sunlight, from air flow and drafts and from high relative humidity. We recommend to keep DEKOGROUT+ at a temperature between 15°C and 25°C during the previous 24 hours, before use. The temperature of water used during mixing must be between 15°C and 25°C as well. Those expedients are useful to reduce fatigue and improve workability.

SUBSTRATES PREPARATION:

The supports must be fixed and undeformable, not free to move except for the elastic oscillations and vibrations typical of the structure. Light panels and thin prefabricated boards are not suitable. Before application grouts must be cleaned carefully from all the residual cement in all the thickness of tile; traces of dust, powder, oil and other non-adhesive substances have to be removed. Furthermore, all the joints and the mortar used for the application must be dry (see the time declared by producers in the technical data sheets). Previously moisten with water and uniformly all the heavily porous surfaces. For the adhesives of the brand BENFER, respect the withdrawal time (at +23°C, 50% of relative humidity):

NORMAL SETTING ADHESIVE: 12 hours

RAPID SETTING ADHESIVE: 3 hours

PRODUCT PREPARATION:

Mix DEKOGROUT+ with clean water in a clean container.

Provide from 0,55 to 0,60 lt of water dependant on the desired consistency.

Add 2,5 kg DEKOGROUT+ and mix with a mixer until you obtain a homogeneous and smooth mass. We recommend using a suitable mixer at approx. 300 – 500 rpm. After a maturing time of 2 minutes the joint mortar is mixed once again. In order to avoid discrepancies in the color shade, the mix ratios should be kept consistent. The product must be used within 45 minutes.

PRODUCT APPLICATION:

DEKOGROUT+ is filled in wall and floor areas using jointing board, with slight pressure and placed diagonally so that the joint is completely filled, being carefully removed after use.

After the initial hardening of the joint mortar (tactile control) wash the outlines.

After approx. 10-15 minutes wash clean with a sponge board. As an alternative, due to its special formulation, it is possible to start immediately the cleaning process of the product you have just laid by using a damp sponge. Keep the dilatation joints empty for the elastic grouting with DEKOSIL. After the starting hardening process, remove all the residual grout cleaning with a damp sponge.

Do not use dry cloths for the cleaning because there is a high risk of discoloration due to the fact that the dry grout inside might mix with the fresh joint. Protect the fresh jointing against high temperatures, strong winds, rain or frost that may negatively influence the curing.

In case of unsuitable weather conditions (low air humidity, draught air, wind) and strongly absorbing ceramics, the joint mortar will cure better when the joint diameter is treated with clean water (moistening with the sponge board).

The washing water should often be replaced by clean water. For coverings with rough, profiled or porous surfaces, as well as natural stones which are rough at the surface, a test jointing should be carried out (the surface should be slightly moistened or primed with suitable material prior to the jointing). The time of the washing is dependant on the material and the existing climate.

CLEANING AFTER APPLICATION:


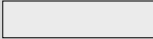
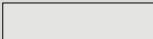

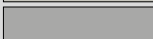
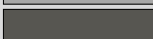
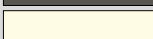
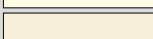
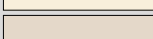






When the product has been cleaned correctly, it will not need any further cleaning after application. In presence of hardened product on the surface, it is possible to clean with acid cleaner such as BENFERCLEAN or BENFERCLEAN STRONG, in conformity with the reported information on the technical data sheet.

FULL SERVICE:

The full service of the finished floor depends on the weather conditions. Consider a light foot traffic time of 6 hours at 23°C (ideal temperature for an easy use). Before the full service verify if the product into the joints is completely hardened.

ADVICE:

- Always provide a grouting of an appropriate dimension. The minimum length permitted for internal floors and walls is 2 mm, for external floors and walls is 5 mm.
- Even if it is more deformable, comparing to tiles, DEKOGROUT+ is not to be considered as an elastic product, so, especially in floors, you need to consider internal expansion joints every 25 m² and, in exterior, every 9 m² for floors in a dark color, up to 12 m² maximum in case of a light color, always repeating on the floor the division joints of the screed and the structural joints
- Expansion joints should be sealed with silicone DEKOSIL or DEKOFLEX, removing accurately all the material which may inhibit the adhesion of application.
- During the first 6 hours protect the final grouted covering from weather agents, such as strong sunlight, wind, rain atc...
- Protect all the areas which are not to be treated with DEKOGROUT+.
- Due to its granulometry, DEKOGROUT+ is suitable for sealing joints from 1 mm wide.
- Do not use DEKOGROUT+ in presence of water inside the joints, with residual cement, oil or dust on the tiles.
- Avoid standing of cleaning water on the freshly made grouts.

| DEKOGROUT+ Colours | | | |
|---|-----------|------------------|-------------------------|
| Colour | Art. n. | Colour | Package 4 bags x 2,5 kg |
|  | 000002500 | White | 4 x 2.5 kg bags |
|  | 000002501 | Grey argento | 4 x 2.5 kg bags |
|  | 000002502 | Manhattan | 4 x 2.5 kg bags |
|  | 000002503 | Grey chiaro 7035 | 4 x 2.5 kg bags |
|  | 000002504 | Grey 7042 | 4 x 2.5 kg bags |
|  | 000002505 | Antracite 7037 | 4 x 2.5 kg bags |
|  | 000002506 | Jasmine | 4 x 2.5 kg bags |
|  | 000002507 | Off White | 4 x 2.5 kg bags |
|  | 000002508 | Beige | 4 x 2.5 kg bags |
|  | 000002509 | Travertino | 4 x 2.5 kg bags |
|  | 000002510 | Camel | 4 x 2.5 kg bags |
|  | 000002514 | Nocciola | 4 x 2.5 kg bags |
|  | 000002513 | Caramello | 4 x 2.5 kg bags |
|  | 000002511 | Tabacco | 4 x 2.5 kg bags |
|  | 000002512 | Marrone | 4 x 2.5 kg bags |

N.B. The colours depicted in this chart are reproduced as realistically as possible but are only indicative. They must be verified by the end user who assumes all responsibility deriving from product use.

CONSUMPTION:

| DEKOGROUT+ Consumption Kg per 10 m² of tiled surface | | | | | | | | |
|--|--------------|-----------------|------------------------|------|------|-------|-------|-------|
| Width cm | Length cm | Thickness cm | Width of the seam (cm) | | | | | |
| | | | 0,1 | 0,2 | 0,3 | 0,5 | 0,7 | 1 |
| 2,5 | 2,5 | 0,2 | 2,32 | 4,63 | 6,95 | 11,58 | 16,21 | 23,15 |
| 10 | 10 | 0,6 | 1,74 | 3,47 | 5,21 | 8,68 | 12,15 | 17,36 |
| 30 | 30 | 1,0 | 0,96 | 1,93 | 2,89 | 4,82 | 6,75 | 9,65 |
| 30 | 60 | 1,0 | 0,72 | 1,45 | 2,17 | 3,62 | 5,06 | 7,24 |
| 60 | 60 | 1,0 | 0,48 | 0,96 | 1,45 | 2,41 | 3,38 | 4,82 |
| 15 | 90 | 1,0 | 1,13 | 2,25 | 3,38 | 5,63 | 7,88 | 11,25 |
| 60 | 120 | 1,0 | 0,36 | 0,72 | 1,09 | 1,81 | 2,53 | 3,62 |
| 80 | 80 | 0,6 | 0,22 | 0,43 | 0,65 | 1,09 | 1,52 | 2,17 |
| 100 | 100 | 0,4 | 0,10 | 0,20 | 0,30 | 0,51 | 0,71 | 1,01 |
| 100 | 300 | 0,6 | 0,12 | 0,23 | 0,35 | 0,58 | 0,81 | 1,16 |
| 160 | 320 | 1,2 | 0,16 | 0,23 | 0,49 | 0,81 | 1,14 | 1,63 |

CLEANING: The cleaning of coverings has to be done with a damp felt or a sponge before the sealer starts gripping.

PACKAGING: All colours are available in 2,5 kg bags, 4 bags per carton box, 27 boxes per europallet 120x80x 105h.

STORAGE: In a dry place, in the original closed package; open bags must be closed again and used as soon as possible.

SHELF LIFE: 18 months.

PRODUCT TECHNICAL DATA

| | |
|------------------------------|--|
| Basis: | Special cements , mineral aggregates, new generation of additives |
| Colours: | 15 colours (see table) |
| Apparent mass volume: | 1,20 kg/dm ³ |
| Danger of toxicity: | No. Possible irritation of the eyes and skin upon contact |
| Inflammable: | No |
| Mixture ratio: | 22-24% of water equivalent to 0,55-0,60 lt of water for 2,5 kg bag |
| Mixing time: | 2-3 minutes (mixer 300-500 r/min) |
| Consistency of paste: | Thixotropic mortar |
| Mass volume of paste: | 1,80 kg/dm ³ |
| Application temperature: | From + 5°C to + 35°C |
| Pot Life: | 45 minutes at + 23°C |
| Width of application : | Minimum 1 mm Maximum 10 mm |
| Consumption: | See table |
| Foot traffic after: | After 6 hours* |
| Full service: | After 24 hours* |
| Final hardening: | After 7 days* |
| Fulfils the requirements of: | EN 13888 CG2WA |
| Humidity resistance: | Excellent |
| Aging process resistance: | Excellent |
| Temperature resistance: | From -30° C to +90° C |
| Storage and Duration : | 18 months in a dry place, in the original closed package; open bag must be closed again and used as soon as possible |

*at 23°C and 50% relative humidity

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.