

## **DEKOGROUT-3K How to use**

Patented, three-component epoxy grout. Available in 52 colours.

Offering durability, stain protection, resistance to mould and microorganisms.

### **TECHNICAL FEATURES:**

DEKOGROUT-3K is a patented, high performance grout formulated with epoxy resin, selected quartzes and special additives, suitable to grout all types of ceramic floorings and coverings onto a wide variety of substrates, waterproof and resistant to chemical and mechanical loads. Designed to harden rapidly and without shrinking, easy to use and to clean with water, DEKOGROUT-3K is waterproof, non-absorbent, acid, stain, bacteria and mould resistant. It guarantees a resistance to aging and a cleanliness of the joint that cannot be obtained with traditional grouts. DEKOGROUT-3 K is available in 52 colours plus a clear version which can be enriched with coloured dazzles to give a "metallic" effect to enhance the beauty of the covering.

### **AREAS OF APPLICATION:**

Can be used to grout joints from 1 to 12 mm wide on tiled floors and walls in: bathrooms, showers, saunas, spas, swimming pools (even with salt water), laboratory benches, kitchen counters, hospitals or where a grout with colour uniformity, hygiene, durability and ease of cleaning is needed.

### **TOOLS AND PRODUCTS FOR AN EXCELLENT WORKABILITY OF DEKOGROUT-3K:**

- DEKOGROUT-3K - non-absorbent, three-component, epoxy grout, acid, bacteria, stain and mould resistant.
- Hard rubber grout float for an accurate filling of the grout into the joints.
- DEKOSPONGE - Synthetic sponge, particularly soft for the accurate cleaning of the fresh product.
- Consider a consumption approximately of 1 sponge every 4m<sup>2</sup> for the application of mosaic, and 1 sponge every 15m<sup>2</sup> for big porcelain slabs.
- DEKOFELT - mildly abrasive felt, for final cleaning after the grout is cured and within 24 hours from the application. This action could be necessary to remove completely small grout particles from tiles with an anti-slip or textured surface.
- 3KCLEANING KIT - specific cleaner for epoxy grout, alkali based to be used for the final cleaning.
- Almost two clean water buckets

### **METHOD OF USE:**

Epoxy grout should be cleaned shortly after the application to get best results. We recommend at least two people, who, at the same time, can fill the joints and clean the grout excess.

### **ENVIRONMENTAL CONDITIONS:**

To execute a good work with DEKOGROUT-3K temperature is very important; it has a great influence on workability of the product and on the waiting time before walk on the floor; For this reason, during the application of the system, the temperature must be between 10° and 35°C. Protect the surfaces from strong sunlight, airflows, strong wind and high relative humidity. In any case, we recommend to stock DEKOGROUT-3K at a temperature between 15° and 25°C during 24 hours before use. This expedient improves the workability, reducing fatigue during application.

	4°C	21°C	35°C
Working Time	120 min	80 min	30 min
Tack Free Time	12 hours	4 hours	2 hours
Ready for light foot traffic	24 hours	12 hours	6 hours
Ready for heavy foot traffic	48 hours	24 hours	12 hours
Stain resistance, food spills, household cleaners	14 days	7 days	2 days
Full cure	28 days	14 days	7 days

Joints must be cleaned thoroughly before grout application from any adhesive residual and the surface must be free from any trace of dust, oil or anti-adhesive substances.

Furthermore, it is essential that the adhesive used for application is dry (see times declared by the manufacturer in the technical data sheets).

**For Benfer adhesives, respect the following waiting times (at + 23°C, 50% relative humidity):**

**NORMAL SETTING ADHESIVE: 12 hours.**

**RAPID SETTING ADHESIVE: 3 hours.**

Pay particular attention to the grouting of polished ceramic tiles, because the surface is usually more absorbent than it should be and can be stained by grouts in general. In this situation, we recommend protecting the tile surface with specific products before grouting. To be sure of best results, make a test on a small surface first.

### **PREPARATION OF THE MIXTURE:**

DEKOGROUT-3K is available in 5,28KG buckets, containing:

- Component A - white paste 0,60 kg
- Component B - dense yellow liquid 0,60 kg
- Component C - coloured quartz sand 4,080 kg

Open Component A and pour all the content in the kit bucket. Follow the same method with Component B. Mix A and B with clean, dry tools scraping the edges and bottom of the bucket with a trowel until a homogeneous soft paste has formed. Once A and B are mixed, add component C, mix using an electric drill, scraping the edges and bottom of the bucket with a trowel several times, until the homogeneous mix is lump free. A low speed electric drill and a helix (diameter lower than 9 cm), high resistant stainless-steel tool is recommended.

Component C (made of quartz sand of the selected colour) should usually be used in full, but if a more fluid consistency is needed it is possible to mix just 90% of the box content (app. 3,70 kg). This could be when grouting very narrow joints or at a low temperature.

### **DEKOGROUT-3K plus DAZZLE:**

After mixing Component A and B, gradually pour in the full 4 DAZZLE packs content and continue to mix. Fill the empty DAZZLE pack with Component C, then add this component and mix as per advised method. During the mixing, the application and sponge-cleaning operations, always use protective gloves and glasses as Component B can irritate the skin.

**It is not permitted to add anything else to the mix because the product will be damaged and altered.**

### DEKOGROUT-3K APPLICATION:

Spread DEKOGROUT-3K with a hard rubber grout float, exerting reasonable pressure, so that the product will penetrate deeply, then accurately remove the grout excess with a rubber float in a diagonal way. Prepare two containers with lukewarm clean water and wait 10-20 minutes before dipping DEKOSPONGE into the water, then squeeze it onto the tiles and emulsify the residual grout on the tile surface with circular movements. Then, remove residual emulsified material with DEKOSPONGE in a diagonal way. Use both sponge sides and rinse frequently and regularly change the water. Avoid walking on the floor for 24 hours to allow the grout to cure and prevent any staining on the tiles.

### FINAL CLEANING:

To carry out the best job possible, it is important to clean the tile surface within 10-20 minutes (at 23 °C), as previously described, as the product would be fully cured and it would then only be possible to remove mechanically.

For this purpose, **DEKOGROUT-3K CLEANING KIT** (optional) is available and should be used as follows:

Clean 10-20 minutes after grout application (at 23°C). Add initial cleaning additive to 8 litres of clean, lukewarm water and mix until completely dissolved. Dip DEKOSPONGE into the water, squeeze it onto the tiles and emulsify the residual grout on the tile surface with circular movements. Afterwards remove residual emulsified material with DEKOSPONGE in a diagonal way. Use both sponge sides rinse frequently.

### FINAL CLEANING:

Begin final clean one hour after finishing initial clean. Add final cleaning additive to 8 litres of clean, lukewarm water and mix until complete dissolved. Dip DEKOFELT into the liquid and use it onto the tile surface with circular movements to remove any trace of residual grout. Rinse DEKOFELT frequently and once finished, clean again with fresh sponge and water.

### FULL SERVICE:

The full service of the finished floor depends on the weather conditions. Consider a temperature of 23°C (ideal value of an easy application) the time of walkability is 24 hours, while at 15°C is 36 hours. Before the full service verify that the product inside the joints has hardened completely.

### ADVICE:

- Always provide appropriate grout dimensions. The adequate minimum width for floors and tiles indoor is 2 mm, for external floors and walls is 5 mm.
- Although it is more deformable compared to a cementitious grout, DEKOGROUT-3K is not an elastic product and we advise expansion joints every 25m<sup>2</sup>. Outside expansion joints should be every 9m<sup>2</sup> for dark floors and up 12m<sup>2</sup> maximum for light colours, always repeating the fraction joints of the screed on the floor, as well as the structural joints.
- The expansion joints must be filled with DEKOSIL or DEKOFLEX, removing all the material that may affect the adhesion strength before the application.
- During the first 24 hours, always protect the finished and grouted covering from weather agents, such as strong sunlight, wind and rain.
- Protect all the areas which are not to be treated from the effects of DEKOGROUT-3K.
- Due to its granulometry, DEKOGROUT-3K is suitable for sealing joints from 1 mm wide.
- Do not use DEKOGROUT-3K in the presence of water inside the joints, residual cement, oil or dust on the tiles.
- Do not use on unglazed tiles.
- Contact the covering supplier before grout absorbent materials with DEKOGROUT-3K.
- Do not wash DEKOGROUT-3K with acid substances or strong oxidants during application. This may inhibit the hardening process of the material.
- Avoid cleaning water to stand on the freshly made grouts.
- The prolonged contact with acid or oxidant products may modify grout colour.

### DEKOGROUT-3K - Coverage table -

DEKOGROUT-3K for joints from 1 up to 12 mm.  
Coverage: kg per 10 m<sup>2</sup> of tiled surface

Size of the tile (cm)		Thickness (mm)	Joint width (cm)						
width	length		0,1	0,2	0,4	0,6	0,8	1	1,2
2,5	2,5	0,4	5,90	11,8					
2,5	2,5	1,0	14,8	29,6	59,2				
5	5	0,4	2,95	5,90	11,8	17,8	23,7	29,6	35,5
10	10	0,8	2,95	5,90	11,8	17,8	23,7	29,6	35,5
20	10	0,8	2,20	4,45	8,85	13,3	17,8	22,2	26,6
15	15	0,8	1,95	3,95	7,80	11,8	15,8	19,7	23,7
15	15	1,4	3,45	6,90	13,8	20,7	27,6	34,5	41,4
24	11,5	1,2	2,85	5,70	11,4	17,1	22,8	28,6	34,3
20	20	0,8	1,45	2,95	5,90	8,85	11,8	14,8	17,8
30	30	0,8	1,00	1,95	3,95	5,90	7,90	9,85	11,8
33	33	0,8	0,90	1,80	3,60	5,35	7,15	8,95	10,8
40	40	0,8	0,75	1,45	2,95	4,45	5,90	7,40	8,90
60	30	0,8	0,75	1,45	2,95	4,45	5,90	7,40	8,90
60	60	0,8	0,50	1,00	1,95	2,95	3,95	4,95	5,90
120	60	0,8	0,35	0,75	1,45	2,20	2,95	3,70	4,45
120	120	0,5	0,25	0,50	1,00	1,50	2,00	2,50	2,95
360	120	0,5	0,10	0,20	0,40	0,60	0,80	1,00	1,20

PLEASE NOTE: the consumption given in this chart is based on our best experience and is indicative only. It must in any event be verified by the final user.

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

**SHELF LIFE:** 24 months.

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