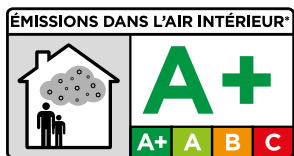




DEKOGROUT 2/12

Antibacterial, flexible cement-based grout

- Antibacterial and mould resistant
- Water repellent
- Resistant to freeze/thaw cycles
- Good application and wash-off properties
- Smooth surface and wide colour range
- For interior, exterior and under water
- Fulfils the requirements of EN 13888, CG2 WA
- For joints from 2 - 12 mm wide
- Vapor permeable
- Suitable for floor and wall heating
- EC1: very low emission
- Colours matched to the DEKOSIL silicone system



TECHNICAL FEATURES: Special flexible grout with rapid setting, for joints from 2 to 12 mm in wide. DEKOGROUT 2/12 grouts are composed of special cements, aggregates with a choice of granulometry and additives, it was designed to harden rapidly with minimum shrinkage to provide elevated mechanical resistance, good flexibility and minimum water absorption united with an attractive aesthetic appearance. They are available in various colors.

AREAS OF APPLICATION: DEKOGROUT 2/12 mm is suitable for grouting glass mosaic, vitrified and fully vitrified clay tiles, brick tiles, tile slips, floor clinkers in bathrooms, showers and living rooms, on terraces, balconies and loggia. As well as facades, in swimming pools, commercial areas, and on heated and flow screeds. Furthermore DEKOGROUT 2/12mm is suitable for jointing of natural stones, if the product-specific properties of the natural stone material permit this and discolouration (i.e. through stones physical characteristics) can be eliminated. We recommend DEKOGROUT+ for the jointing of natural stones.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

CONTRACT ITEM SPECIFICATIONS:

Floor and wall coverings must be grouted with a cement-based, antibacterial, flexible, mould resistant, water-repellent grout, EC1 R PLUS certified and tested in accordance with EN 13888 class CG2WA, like DEKOGROUT 2/12 by Benfer.

METHOD OF USE:**SUBSTRATES PREPARATION:**

Adequately rake out mortar joints once the adhesive has sufficiently set, then wet-clean the tile surface. The adhesive bed must be fully set or discolouration may appear. Pre-wet strongly porous surfaces uniformly with water. Joints must be clean and free from separating media. The time at which grouting may commence depends on the adhesive used and varies from 2 to 72 hours. Mortar beds used in sand : cement fixing must be sufficiently set and uniformly dry. Do not grout surfaces with differing surface temperatures (i.e. in direct sunlight). The consistency of the grout is to be adjusted dependent on the porosity of the cladding material and the substrate.

PRODUCT PREPARATION:

Mix DEKOGROUT 2/12 with clean water in a clean container.

Provide 1.0 – 1.1 water dependant on the desired consistency.

Add 5 kg DEKOGROUT 2/12 and mix until a smooth mass is achieved. We recommend using a suitable mixer at approx. 300 – 500 rpm. After a maturing time of 4 minutes the joint mortar is mixed once again. In order to avoid discrepancies in the color shade, the mix ratios should be kept consistent.

PRODUCT APPLICATION:

DEKOGROUT 2/12 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.

Protect expansion joints for the subsequent application of the elastic jointing with DEKOSIL or DEKOFLEX-PU.

After initial hardening, scratch the mortar residues out by washing with a slightly moist sponge.

Potential formations of ceramic mortar (fog) are to be washed off after several hours using a sponge board with clean water.

Do not use dry cloths for the cleaning as the rubbing of the dried joint mortar may lead to discoloration of the fresh joint. Protect the fresh jointing against high temperatures, 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).





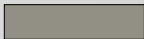

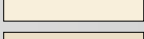


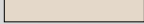
The washing water should often be replaced by clean water. For coverings with rough, profiled or porous surfaces, as well as natural stones which are rough at the surface, a test jointing should be carried out (the surface should be slightly moistened or primed with suitable material prior to the jointing).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

After sufficient waiting time the surface is to be smoothed without washing the joints out.

ADVICE:

- Joint mortar which has already begun hardening should not be made workable again through the addition of water or fresh mortar. There is an increased danger of colour discrepancies.
- Do not powder and remove DEKOGROUT 2/12 with dry material. Increased risk of discolouration exists due to inadequate dissociation of the component parts.
- Only use clean water and clean tools.
- Clean the substrates thoroughly prior to jointing.
- Regard the setting time of adhesives and mortars. Discoloration may occur by grouting too early.
- Protect the joints from rapidly drying out in drafts and strong sunlight by hanging polythene sheets or repeated wetting of the joints.
- Protect grouting until hardened from rain and frost.
- Do not improve DEKOGROUT 2/12 with CEMLATEX GIUNTI.
- Joints around tile bays, interruptions and pipe outlets as well as perimeter and connection joints should be sealed with an elastic material such as DEKOSIL or DEKOFLEX-PU dependant on application.
- The use of DEKOGROUT 2/12 does not replace waterproofing measures.
- For maintenance and cleaning of the jointing area we only recommend the use of neutral cleaning agents. After cleaning, the surface is to be rinsed off with clean water. Pay attention to varying absorption rates of the substrate and the joint flanks.
- Irregular effects of moisture due to the construction below, the mortar bed, differences in temperature or covering materials, may lead to colour discrepancies in the joint pattern which do not affect the quality of the joint mortar and may level themselves through positive environmental conditions. We do not guarantee against differences in the colour shade.
- In case of high mechanical wear such as cleaning machines or chemical loads, we recommend the 2-component, highly-wearable epoxy resin joint DEKOGROUT-2K.
- Prior to the jointing of border finishes and expansion joints, and to support the mortar structure, polystyrene or foam elements are secured.
- If etching is required, the joints must be wetted sufficiently.
- Only material from the same production batch should be applied within an area.
- To achieve optimal hydration of the cement, adequate moisture is to be provided. This is especially important for non-absorbing stone or tiles; therefore no moist depositories can be expected.
- Refer to the specific product properties when laying natural stone and synthetic stone (tendency to discolour). When doubt exists carry out a grout trial.
- We recommend grouting natural stone with DEKOGROUT+.
- Protect surface areas which are not to be treated against the effects of DEKOGROUT 2/12 .
- Please adhere to the current EU-safety data sheet.

DEKOGROUT 2/12 - Colours

Colour	Art. no.	Colour	Code	Package kg	Package/Europallet
	000006150	Bianco	Bianco	5 kg bag	4 bags box/27 boxes
	000006170	Bianco	Bianco	20 kg bag	63 bags / Europallet
	000006152	Grigio chiaro	7035	5 kg bag	4 bags box/27 boxes
	000006172	Grigio chiaro	7035	20 kg bag	63 bags / Europallet
	000006154	Grigio	7042	5 kg bag	4 bags box/27 boxes
	000006174	Grigio	7042	20 kg bag	63 bags / Europallet
	000006156	Grigio tortora	Grigio tortora	5 kg bag	4 bags box/27 boxes
	000006176	Grigio tortora	Grigio tortora	20 kg bag	63 bags / Europallet
	000006158	Grigio cemento	7030	5 kg bag	4 bags box/27 boxes
	000006178	Grigio cemento	7030	20 kg bag	63 bags / Europallet
	000006160	Antracite	7037	5 kg bag	4 bags box/27 boxes
	000006180	Antracite	7037	20 kg bag	63 bags / Europallet
	000006162	Off white	Off white	5 kg bag	4 bags box/27 boxes
	000006164	Crema marfil	9001	5 kg bag	4 bags box/27 boxes
	000006166	Travertino	Travertino	5 kg bag	4 bags box/27 boxes
	000006168	Beige	1013	5 kg bag	4 bags box/27 boxes

N.B. The colours shown in this chart are reproduced as real as possible, but they are indicative only. They must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.

DEKOGROUT 2/12 - Coverage table-

DEKOGROUT for joints from 2 up to 12 mm. Coverage: kg per 10 m² of tiled surface

Size of the tile (cm)	Thickness (cm)	Width of the joint (mm)							
		2	3	4	5	7	10	12	
2 x 2	0,4	10,5	15,0	19,5	24,0	33,5	47,0	56,0	
5 x 5	0,4	7,0	9,5	12,0	14,5	19,5	27,5	32,5	
10 x 10	1,0	8,0	11,0	14,5	18,0	24,0	34,0	40,5	
10 x 10	0,6	5,5	7,5	9,5	11,0	15,0	21,0	25,0	
12,5 x 12,5	1,0	7,0	9,5	12,0	14,5	19,5	27,5	32,5	
10 x 20	0,8	5,5	7,5	9,5	11,0	15,0	21,0	25,0	
15 x 15	1,4	8,0	11,0	14,0	17,5	24,0	33,5	39,5	
15 x 15	0,8	5,0	7,0	9,0	10,5	14,0	19,5	23,5	
20 x 20	0,8	6,0	8,5	10,5	13,0	17,5	24,0	29,0	
20 x 20	0,4	4,0	5,5	7,0	8,0	10,5	14,5	17,0	
25 x 25	1,0	4,0	5,5	7,0	8,0	10,5	14,5	17,0	
25 x 35	1,0	4,0	5,5	7,0	8,0	10,5	14,5	17,0	
30 x 30	1,4	5,0	7,0	9,0	10,5	14,0	19,5	23,5	
30 x 30	0,8	3,5	4,5	5,5	7,0	9,0	12,0	14,0	
35 x 35	0,8	3,5	4,5	5,5	7,0	9,0	12,0	14,0	
40 x 40	1,0	3,5	4,5	5,5	6,5	8,5	11,0	13,0	
30 x 60	1,0	3,5	4,5	5,5	6,5	8,5	11,0	13,0	
60 x 60	1,0	3,0	3,5	4,0	5,0	6,0	8,0	9,5	

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

CONSUMPTION: See table.

PACKAGING: All colours are available in 5 kg bags, 4 bags per carton box, 27 boxes per europallet 120 x 80 x 105h or in 25 kg bags 63 bags per europallets 120 x 80 x 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: 24 months (5 kg aluminum bags), 12 months (25 kg paper bags).



PRODUCT TECHNICAL DATA

Classification according to norm:	EN 13888, CG2WA
Basis:	Cement, mineral aggregates, high quality additives and pigments
Colors:	10 colors (see table)
Apparent mass volume:	1,3 kg/dm ³
Maximum grain size:	0,3 mm
Inflammable:	No
Danger of toxicity:	No. Possible irritation of the eyes and skin upon contact due to presence of cement
Mixture ratio:	22-23% of water equivalent of 1,1 - 1,15 lt of water for 5 kg bag
Mixing time:	2-3 minutes (mixer 300 - 500 r/min)
Consistency of paste:	Creamy mortar
Mass volume of paste:	2,00 kg/dm ³
Pot Life:	30 minutes at + 23°C
Application temperature:	From + 5°C to + 35°C
Largeness of application:	From 2 to 12 mm
Light foot traffic :	After 4 hours
Full service:	After 1 days
Final hardening:	After 14 days
Humidity resistance:	Excellent
Aging process resistance:	Excellent
Temperature resistance:	From -30° C to +90° C
Storage and Duration :	24 months (5 kg aluminum bags), 12 months (25 kg paper bags) in a dry place, in the original closed package; open bags 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.