



DEKOGROUT-HF 1/30

High strength, flexible cement-based grout

- High strength, cement-based grout
- Increased abrasion resistance
- Water repellent
- Resistant to freeze/thaw cycles
- Mould resistant
- Resistant to high pressure cleaning
- For interior, exterior and under water use
- Fulfils the requirements of EN 13888, CG2WA
- For joints from 3 - 30 mm wide
- Vapour permeable
- Good application and wash-off properties
- Suitable for floor and wall heating
- Colourways matched to the DEKOSIL silicone system



TECHNICAL FEATURES: Special flexible grout, rapid setting, for joints from 3 - 30 mm wide. The grouts DEKOGROUT-HF 1/30 are composed by special cements, aggregates with selected granulometry and additives and they are studied to harden quickly and with minimum shrinkage, until they develop high mechanical resistance, good flexibility and minimum water absorption, as well as pleasant aesthetic effect.

AREAS OF APPLICATION: Due to its high mechanical performance and abrasion resistance, DEKOGROUT-HF 1/30 is especially suitable for grouting tiles in swimming pools, washing plants, commercial kitchens, sales rooms, commercial areas, industrial areas and workshops. Furthermore, DEKOGROUT-HF 1/30 can be used on heated and flow screeds in bathrooms, showers and living rooms, on terraces, balconies and loggias as well as facades. DEKOGROUT-HF 1/30 can be used in heavy-duty areas e.g. where cleaning equipment, high pressure steam cleaning or scouring vacuums are present. Furthermore, the dense grout joints give increased resistance to cleaning chemicals. Neutral or alkaline cleaners can be used unrestrictedly. DEKOGROUT-HF 1/30 has increased resistance to acidic cleaners.

CONTRACT ITEM SPECIFICATIONS:

Floor and wall coverings must be grouted with a cement-based, antibacterial, flexible, mould resistant, water-repellent grout, certified and tested in accordance with EN 13888 class CG2WA, like DEKOGROUT-HF 1/30 by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

METHOD OF USE:**SUBSTRATES PREPARATION:**

Once the adhesive has sufficiently set adequately rake out the joints. Subsequently wet-clean the tile surface. The adhesive bed must be fully set because 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 is from 3 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 (e.g. in direct sunlight). The consistency of the grout is to be adjusted dependant on the porosity of the cladding material and the background.

PRODUCT PREPARATION:

Mix DEKOGROUT-HF 1/30 with clean water in a clean container. Provide approx. 3.9 litres water dependant on the desired consistency. Add 25 kg DEKOGROUT-HF 1/30 and mix with a paddle to a smooth paste. 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:

Work DEKOGROUT-HF 1/30 into the wall and floor area with a grout float under light pressure and strike off cleanly diagonally to the joint so that the grout profile is completely filled.

Once the grout has begun to set (check with a finger test) wash the joint contours with a dampened sponge board. After a further 10-15 minutes wash clean with the sponge board.

Keep movement joints free for elastic jointing with DEKOSIL or DEKOFLEX-PU. Rake out mortar residues and wash off with a rung-out damp sponge.

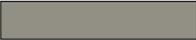
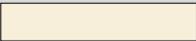
Wash-off any remaining mortar film with the sponge board and clean water after a few hours. Do not use dry cloths to clean as there is a risk of discolouration as the dried-on grout may be rubbed into the still damp joints. Protect the fresh joints from influences detrimental to setting such as high temperatures, wind, rain or frost. In adverse weather conditions (low humidity, draught, wind) and with strongly porous ceramic bodies the optimum setting of the grout can be assisted by posttreating the grout profile with clean water (re-wetting with the sponge board). Frequently replace the wash-off water with fresh water. Where ceramic tiles have profiled, rough or unglazed surfaces or where surfaces are porous, or with rustic natural stone as well as profiled fully vitrified tiles that have surface micro-pores in varying magnitude, it is recommended that a trial area is carried out (possibly lightly pre-wet the surface or seal before grouting) in order to determine the ability to completely wash-off cement and pigment residues. The timing for wash-off is dependant on the type of tile and the prevailing climate. Smooth the surface after an appropriate waiting time without washing out the grout.

ADVICE:

- Do not add further water or fresh mortar to DEKOGROUT-HF 1/30 that has already started to stiffen in order to re-life the product. There is an increased risk of discolouration.
- Do not powder and remove DEKOGROUT-HF 1/30 with dry material. Increased risk of discolouration exists due to inadequate dissociation of the component parts.
- Only use clean water and 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-HF 1/30 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-HF 1/30 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 areas not to be treated with DEKOGROUT-HF 1/30.

Please observe valid EU-safety data sheet.

	COLOUR	CODE	PACKING	EUROPALLET
	Grigio chiaro	7035	25 kg bags	Pallet 42 bags
	Grigio cemento	7030	25 kg bags	Pallet 42 bags
	Off white	Off white	25 kg bags	Pallet 42 bags
	Travertino	Travertino	25 kg bags	Pallet 42 bags
	Beige	1013	25 kg bags	Pallet 42 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.

DEKOGROUT-HF 1/30 - Consumption								
Size of the tile (cm)	Joint width (cm)	Joint depth (cm) - Consumption kg per 10 m ²						
		0,3	0,4	0,5	0,8	1	1,5	2
20x20	0,4	2,29	3,06	3,82	6,11	7,64	11,46	15,28
30x30	1,0	3,82	5,09	6,37	10,19	12,73	19,10	24,47
24x11,5	1,0	7,37	9,83	12,28	19,65	24,57	36,85	49,13
30x60	1,0	2,87	3,82	4,78	7,64	9,55	14,33	19,10
45x45	1,0	2,55	3,40	4,24	6,79	8,49	12,73	16,98
60x60	1,0	1,91	2,55	3,18	5,09	6,37	9,55	12,73
60x60	2,0	3,82	5,09	6,37	10,19	12,73	19,10	25,47
45x90	2,0	3,82	5,09	6,37	10,19	12,73	19,10	25,47

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 25 kg bags.

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

SHELF LIFE: 12 months.

PRODUCT TECHNICAL DATA

Classification according to norm:	EN 13888, CG2WA
Basis:	Cement, mineral aggregates, high quality additives and pigments
Colours:	Off-white, Beige, Travertino, Grigio cemento, Grigio chiaro
Apparent mass volume:	1,4 kg/dm ³
maximum grain size:	0,5 mm
Danger of toxicity:	No. Possible irritation of the eyes and skin upon contact due to presence of cement
Inflammable:	No
Mixture ratio:	16-18% of water equivalent to 3,9-4,5 lt of water per 25 kg bag
Mixing time:	2-3 minutes (mixer . 300 - 500 r/min)
Consistency of paste:	Fluid mortar
Mass volume of paste:	2,1 kg/dm ³
Pot Life:	90 minutes at + 23°C
Application temperature:	From + 5°C to + 35°
Largeness of application:	From 3 to 30 mm
Foot traffic after:	After 6 hours
Full service: after	1 day
Final hardening: after	7 days
Humidity resistance:	Excellent
Aging process resistance:	Excellent
Resistance to compression after 28 days:	50 N/mm ²
Resistance to flexion after 28 days:	9 N/mm ²
Temperature resistance:	From -30° C to +90° C
Storage and Duration :	12 months in a dry place, in the original closed package; open bags must be closed again and used as soon as possible

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