

FUGA-PAVE FLEX XP TECHNICAL DATA SHEET

Fuga-Pave Flex XP Cement-based hybrid grout for porcelain tiles, thin brick, stone and marble, suitable for external and internal applications, floor and wall

- High strength, cement-based grout
- Increased abrasion resistance
- Water repellent
- Resistant to freeze/thaw cycles
- Mould resistant
- For interior, exterior and submerged use
- Available in 5 colours
- Fulfils the requirements of EN 13888, CG2WA
- For joints from 3 - 30 mm wide
- Suitable for floor and wall heating.

TECHNICAL FEATURES

Special flexible grout, rapid setting, for joints from 3 - 30 mm wide. Fuga-Pave Grouts 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:

RC TECHNICAL ASSISTANCE INSURANCE GUARANTEE TECHNICAL MEETINGS
PROFESSIONAL USE

Due to its high mechanical performance and abrasion resistance, **FUGA-PAVE FLEX XP** is especially suitable for grouting tiles in domestic and commercial external areas, swimming pools, washing plants, commercial kitchens, sales rooms, commercial areas, industrial areas and workshops. Furthermore, **FUGA-PAVE FLEX XP** can be used on heated and flow screeds in bathrooms, showers and living rooms, on terraces, balconies and loggias as

well as facades. **FUGA-PAVE FLEX XP** 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.

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 **FUGA-PAVE FLEX XP** by the AQUACUT GROUP.

METHOD OF USE:

SUBSTRATES PREPARATION:

Once the adhesive or mortar bed has sufficiently set adequately, rake out the joints. Subsequently wet clean the tile surface. The adhesive or mortar bed must be fully set because discoloration may occur. 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 and cement, or **FUGA-PAVE MORTAR and PRIMER** 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 adjusted dependent on the porosity of the cladding material and the background.

PRODUCT PREPARATION:

Mix FUGA-PAVE FLEX XP with clean water in a clean container. Provide approx 1L water depending on the desired consistency. Add one 5kg of **FUGA-PAVE FLEX XP** and mix with a paddle to a smooth paste. We recommend using a suitable mixer of approx. 300–500 rpm. After a standing time of 4 minutes, the joint mortar is mixed once again. To avoid discrepancies in the color shade, the mix ratios should be kept consistent.

PRODUCT APPLICATION:

Apply **FUGA-PAVE FLEX XP** 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 washboy and sponge. After a further 10-15 minutes wash clean with a washboy,

sponge, or mechanical sponge machine. Rake out mortar residues and wash off with a rung-out damp sponge. Wash off any remaining mortar film with the sponge, washboy and clean water after a few hours. Do not use dry cloths to clean as there is a risk of discoloration 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) and with strongly porous stone bodies, the optimum setting of the grout can be assisted by post treating the grout profile with clean water (re-wetting with the sponge). Frequently replace the wash-off water with fresh water. Where 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 dependent on the type of tile and the prevailing climate. Smooth the surface after an appropriate waiting time.

ADVICE:

- Do not add further water or fresh mortar to **FUGA-PAVE FLEX XP** that has already started to stiffen in order to re-life the product. There is an increased risk of discoloration or preventing the grout from setting correctly
- Do not powder and remove **FUGA-PAVE FLEX XP** with dry material. Increased risk of discoloration 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.
- 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• 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
- Protect areas not to be treated with **FUGA-PAVE FLEX XP**.

STORAGE: In a dry place, in the original closed packaging, open bags must be closed again and used as soon as possible. SHELF LIFE: 24 months.

Product Technical Data

PRODUCT TECHNICAL DATA	
Classification according to norm:	EN 13888, CG2WA
Basis:	Cement, mineral aggregates, high quality additives and pigments
Apparent mass volume:	1.4kg / dm ³
Maximum grain size:	0.5mm
Inflammable:	No
Mixture ratio:	1L water per 5KG bag
Mixing time:	2-3 minutes (mixer 300 – 500 r/min)
Consistency:	Fluid mortar
Mass volume:	2.1kg / dm ³
Pot life:	60 minutes
Application temperature:	From =5C to 35C
Largeness of application:	After 6 hours
Foot traffic after:	1 day
Full service 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:	9N/mm ²
Temperature resistance:	From –30C to +90C
Storage and duration:	24 months in a dry place, in the original closed packaging. Open bags must be closed again and used as soon as possible.

FUGA-PAVE FLEX XP					
Indicative consumption in kg/m2 including the waste (10%)					
Tile Size	Joint Width (mm)	Joint Depth (mm)			
		1	2	3	5
2x2	4	0.75	1.50	2.25	3.75
10x10	9	0.34	0.68	1.02	1.70
15x15	9	0.22	0.44	0.66	1.10
20x20	9	0.17	0.34	0.51	0.85
20x20	14	0.26	0.52	0.78	1.30
30x30	10	0.12	0.24	0.36	0.60
30x60	10	0.09	0.18	0.27	0.45
45x45	10	0.08	0.16	0.24	0.40
45x90	10	0.06	0.12	0.18	0.30
60x60	10	0.06	0.12	0.18	0.30
60x120	10	0.05	0.10	0.15	0.25
120x120	10	0.03	0.06	0.09	0.15
15x80	10	0.15	0.30	0.45	0.75
15x150	10	0.14	0.28	0.42	0.70
20x150	10	0.11	0.22	0.33	0.55
15x80	10	0.15	0.30	0.45	0.75
15x150	10	0.14	0.28	0.42	0.70
20x150	10	0.11	0.22	0.33	0.55
15x170	10	0.14	0.28	0.42	0.70
20x170	10	0.10	0.20	0.30	0.50
60x60	20	0.12	0.24	0.36	0.60
100x100	6	0.02	0.04	0.06	0.10
150x300	6	0.01	0.02	0.03	0.05