

FUGA KRAFT POOL

DESCRIPTION

It is a high strength, silicone added, high performance, water impermeable and resistant to various chemicals joint filling material used on cement based ceramic, marble, granite and similar surfaces.



TS EN 13888-1 Joint Sealants for Tiles - Requirements, conformity assessment, classification and display
Complies with CG2WA class.

CG2 = Tile joint sealant enhanced with additional properties A
= increased wear resistance,
W = Reduced water absorption

PLACES OF USE

- Indoor and outdoor
- It can be safely used in joint gaps on surfaces furnished with ceramic, tile, granite and other coating materials.
- Especially in swimming and ornamental pools, terraces and balconies

POINTS TO BE AWARE OF

- It gives good results in joint applications up to 2-8 mm. It should not be used in wider joint applications.
- Not used in places exposed to high pressure and heavy chemicals.
- Joint applications should be made 24 hours after the adhesive application is completed. Make sure that the adhesive under the coating material is dry. Otherwise, the water in the adhesive will penetrate into the joint and cause the colour of the joint to fade or change.
- The material can be coloured in powder form. However, since silicone cannot be dyed, the colour tones of coloured silicone joints remain paler than normal coloured joints. This should be taken into consideration when using.
- **KRAFT Joint Protector** should be used to protect the joint sealant colour of coloured joints exposed to water and sun rays and to ensure a longer life (see **KRAFT Joint Protector**).
- Avoid application under the sun and strong wind. Make sure that the surface temperature is between +5 °C and +25 °C.
- It is recommended to use protective gloves during applications. For more detailed protective measures, please refer to the material safety data sheet of the product.

ADVANTAGES

- It is a flex material with high abrasion resistance.
- Water repellent. Dirt penetration is low.
- Resistant to neutral and especially alkaline cleaners.
- Easy to prepare and apply.
- Resistant to freeze-thaw cycles.

SURFACE PREPARATION

Before application, sawdust, dust, cement residues etc. should be cleaned with a brush. Cement residues remaining on the coating materials should be removed with **KRAFT Cement Cleaner** (see **KRAFT Cement Cleaner**) Make sure that the adhesive under the coating is dry

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

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TECHNICAL DATA SHEET

USAGE MANUAL

1 bag of **FUGA KRAFT POOL** is added into the water specified in the mixture ratios and mixed for 5 minutes with the help of a 400-600 rpm mixer until it reaches paste consistency. **The prepared mixture is left to rest for 5 minutes.** Then, it is mixed again and applied to the joint gaps with the help of rubber-based derzer or squeegee. Due to the material content, it sets a little later than normal joints and cleaning is done after waiting for 15-30 minutes. (For the cleaning process, pressure is applied on the joint with a finger. Wait until the material withstands the pressure and as soon as the material does not contaminate the finger, water is applied to the surface and the surface is cleaned with the help of a damp sponge to ensure surface smoothness).

MIXING RATIOS

FUGA KRAFT POOL	20kg
Amount of water required for the mixture	6-7 kg water

EXPENDITURE

Ceramic Sizes	Cement based joint sealant consumption table Depth 8 mm					
	Joint widths					
	2mm (g/m ²)	3mm (g/m ²)	4mm (g/m ²)	5mm (g/m ²)	6mm (g/m ²)	8mm (g/m ²)
10 x 10 cm	525	775	1025	1325	1550	2050
10 x 20 cm	400	575	775	1000	1150	1550
15 x 15 cm	350	525	700	875	1050	1400
15 x 20 cm	300	450	600	750	900	1200
15 x 30 cm	275	400	525	700	800	1050
20 x 20 cm	275	400	525	700	800	1050
20 x 25 cm	250	350	500	625	700	1000
20 x 30 cm	225	325	450	575	650	900
30 x 30 cm	175	275	350	450	550	700

Values are theoretical and show powder product consumption. For consumption values of coating materials of different sizes, the following calculation can be used.

(Powder) (joint in state) (filler consumption) ((kg/m) 2)=(coating length-mm + coating width-mm) x joint width (mm) x joint depth (mm) x joint filler density factor

(coating length-mm x coating width-mm)

Example: The amount of joint filler required for a 10cm x 10cm coating material with a joint depth of 8mm and a joint width of 4 mm Joint filler consumption in powder form (kg/m²)= $\frac{(100 + 100) \times 4 \times 8 \times 1.60^*}{(100 \times 100)} = 1.025 \text{ kg/m}^2 = 1025 \text{ g/m}^2$

FUGA KRAFT POOL joint density factor= 1,60

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TECHNICAL SPECIFICATIONS

Colour	20 colour options
Material Content	It contains silicone and polymer modified additives and mineral filler with cement.
Abrasion Resistance (EN 12808-2)	$\leq 1000 \text{ m}^3$
Application Range	minimum 2mm, maximum 8mm
Grain Size (EN 12192-1)	D max < 0.2 mm
Maturation Period	5 minutes
Cleaning Time	15-30 min (time may be shorter or longer depending on ambient temperature)
Temperature Resistance	-40°C / +100°C
Container Life	1 hour
Flexural Strength (EN12808-3)	$\geq 2.5 \text{ Nm/m}^{(2)}$ (after dry storage) $\geq 2.5 \text{ N/mm}^{(2)}$ (after freeze-thaw cycle)
Compressive Strength (EN 12808-3)	$\geq 15 \text{ N/mm}^{(2)}$ (after dry storage) $\geq 15 \text{ N/mm}^{(2)}$ (after freeze-thaw cycle)
Shrinkage (EN 12808-4)	$\leq 3\text{mm/m}$
Water Absorption (EN 12808-5)	30 min later $\leq 2 \text{ g}$ $\leq 5 \text{ g}$ after 240 min
Shelf Life	12 months from the date of manufacture under appropriate storage conditions When not in use, the packaging should be tightly closed and the material should be consumed within 1 week at the latest.



The above values are valid at +21 °C and 50% relative humidity.

PACKAGING and STORAGE

CODE	PACKAGING
Kr-250	FUGA KRAFT POOL -20 kg
Kr-250	FUGA KRAFT POOL -10 kg
Kr-250	FUGA KRAFT POOL -5 kg

Store the material in its unopened packaging in a dry environment, protected from frost. Do not stack pallets on top of each other especially for long term storage.

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