

FUGA KRAFT EPOXY

DESCRIPTION

Epoxy reaction resin based, two-component, solvent-free, chemical resistant, joint filling material used for grouting materials such as ceramic, marble, granite, glass mosaic.



TS EN 13888-1 Joint Sealants for Tiles - Requirements, conformity assessment, classification and display

Conforms to RG class.

RG = Reaction resin based tile grouting

USAGE PLACES

- Indoor and outdoor, horizontal and vertical applications
- Joint applications of materials such as ceramic, marble, granite and glass mosaic
- Joint applications on floors exposed to heavy pedestrian traffic in shopping centres
- Slaughterhouses, dairy plants, hospitals, clinics, laboratories, garages, wineries and breweries,
- Swimming pools and thermal pools
- Soft drink and fruit juice production sites
- Meat and fish production facilities
- Pharmaceutical, paint and paper industry
- In waste water treatment plants

POINTS TO BE AWARE OF

- The ambient temperature to be applied should be higher than +10⁽⁰⁾°C and the ground to be applied should be higher than +5⁽⁰⁾°C. The ideal application temperature is between +10°C/+20°C. Application should not be made before obtaining the appropriate working temperature.
- Epoxy based materials become more dense (increased consistency) in storage at low temperatures and application becomes difficult. In these cases, the prepared mixture should be kept at +20°C/+25°C and then application should be made.
- The pot life of the material may vary even at appropriate application temperatures. Epoxy based materials dry early at high temperatures and late at low temperatures. At low temperatures, viscosity increase (consistency increase) occurs and consumption increases.
- Epoxy mortars must be mixed with mechanical mixers. It should never be mixed by hand or trowel.
- Absolutely no water or foreign material should be added into the mortar that starts to dry.
- Applicators must be experienced and skilled in epoxy.
- It is recommended to use protective gloves in applications. During the application, the instructions written on the material packaging must be followed. For more detailed protective measures, please refer to the material safety data sheet of the product.
- All tools used after application should be cleaned immediately with warm water. If the material hardens on the tool or ceramic, it can only be removed by mechanical means.

ADVANTAGES

- Ready to use joint filling material.
- It has high strength and abrasion resistance.
- It is especially resistant to acids, alkalis and oils.

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

CENTRE: Beştepe Mah.No:1/113 Yenimahalle/Ankara

ANTALYA FACTORY: Çıplaklı Mah. 22171 Cd. No:14 Döşemaltı/Antalya

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(TECHNICAL DATA SHEET)

- Resistant against sudden temperature changes.
- Does not form mould, fungus and bacteria (Antibacterial property)
- It has high freeze-thaw resistance.
- Can be used for 2-12 mm joint width.
- 12 different colour options.

SURFACE PREPARATION

Before application;

Before application, sawdust, dust, cement residues etc. should be cleaned with a brush. Before joint application, the adhesive under the coating material should be expected to reach sufficient hardness.

USAGE METHOD

The application surface should be cleaned from dust, oil and construction waste. All of the two components in the **Epoxy Fuga** bucket should be mixed thoroughly, preferably with a low speed mixer 400 -600 rpm, until it becomes a homogenous paste. If the two components will not be completely consumed, the mixing ratio of both components by weight is 92.5 / 7.5 (component A / component B). The prepared epoxy mortar is spread on the surface and filled in between the joints with a special rubber epoxy trowel. Depending on the ambient temperature, the surface is cleaned after 10 minutes. Joint filling process can also be done with gun application. For this, the material is filled from the gun nozzle. With the help of a suitable nozzle, fill the mortar between the joints and remove the excess material from the surface with a warm and damp sponge.

MIXING RATIOS

FUGA KRAFT EPOXY	COMPONENT A	COMPONENT B
Mix quantity	5kg	0.38 kg

EXPENDITURE

Ceramic Sizes	Epoxy based joint sealant consumption table Depth 8 mm					
	Joint widths					
	3mm (g/m²)	4mm (g/m²)	5mm (g/m²)	6mm (g/m²)	8mm (g/m²)	10mm (g/m²)
10 x 10 cm	865	1150	1440	1730	2300	2880
10 x 20 cm	650	865	1080	1300	1730	2160
15 x 15 cm	575	770	960	1150	1540	1920
15 x 20 cm	510	675	840	1010	1345	1680
15 x 30 cm	435	580	720	865	1150	1440
20 x 20 cm	435	580	720	865	1150	1440
20 x 25 cm	390	520	650	780	1040	1300
20 x 30 cm	360	480	600	720	960	1200
30 x 30 cm	290	385	480	575	770	960

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TECHNICAL SPECIFICATIONS

Colour	6 Colour Options
Material Content	COMPONENT A Epoxy putty COMPONENT B Epoxy hardener
	
Abrasion Resistance (EN 12808-2)	≤ 250 m ³
Application Range	2-12 mm
Temperature Resistance	-40°C / +100°C
Flexural Strength (EN 12808-3)	≥ 15 N/mm ²
Compressive Strength (EN 12808-3)	≥ 45 N/mm ²
Shrinkage (EN 12808-4)	≤ 1.5 mm/m
Water Absorption (EN 12808-5)	≤ 0.1 g (after 240 min)
Container Life	45 min
Shelf Life	12 months from the date of production under suitable storage conditions. Opened packaging should be consumed completely.

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

CHEMICAL RESISTANCE

Experiment Environment 8 weeks-20 °C		Evaluation	Experiment Environment 8 weeks-20 °C		Evaluation
Alcohol (Ethyl)	up to 98 per cent	HH	Phosphoric Acid	up to 10 per cent	HY-RS
Ammonia	Up to 25 per cent	HH-RS	Chloroform	-	OH
Acetic Acid	up to 5 per cent	HH	Formic Acid	up to 10 per cent	HH-RS
Acetone	-	B	Formaldehyde	up to 20 per cent	HY-RS
Lactic Acid	up to 10 per cent	HY-RS	Phenol	-	HY-RS
Citric Acid	up to 10 per cent	HY-RS	Soda	up to 50 per cent	HY
Tartaric Acid	up to 15 per cent	HY-RS	Edible Oil	-	HY
Kola	-	HY	Fruit Juice	-	HY
Beer	-	HY	Wine	-	HY
Salt Water	Saturated	HY-RS	Olive Oil	-	HY
Iron Sulphate	Up to 30 per cent	HY-RS	Isopropyl Alcohol	-	HY-RS
Sulfuric Acid	Up to 25 per cent	HY-RS	Nitric Acid	up to 10 per cent	HY-RS
Sodium Hypochlorite	up to 50%	HY-RS	Ozone	up to 50%	HY-RS
Apple Cider Vinegar	-	HY-RS	Salt Spirit	-	HY
Grape Vinegar	-	HY-RS	Rust Remover	-	HY-RS
Oil	-	HY-RS	Gasoline	-	HY-RS
Engine Oil	-	HY	Teksanol	-	HY

B: Deterioration
HH: Lightly Damaged
HY: No Damage
RS: Colour Fading
OH: Extremely Damaged

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PACKAGING and STORAGE

CODE	PACKAGING
KR-300	FUGA KRAFT EPOXY (5 kg)

Store the material in its unopened packaging in a dry environment, protected from frost.

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