

FLEKSFUGA®

Mastertile® 555 Flex

Cement Based Flexible Grouting for Ceramics and Tiles

Description of Product

FLEKSFUGA® is a cement based, grouting material decorative for ceramic, tile, marble and granite interlines which is not effected by water and which is resistant against vibrations, elongations and contractions due to temperature changes.

Complies with TS EN (TS INS) 13888 - CBG2 class

CBG=Cement based grouting, 2=Enhanced grouting materials (fulfilling additional properties)

Fields of Application


- Indoor spaces, in vertical and horizontal applications,
- In filling the grouting holes of ceramics, tiles, marble and granite adhered on existing surfaces.
- Shopping centers,

- On commercial and industrial floors.
- In hotels,
- In hospitals,
- In wet spaces,
- In domiciles.

Features and Benefits

- Prepared and applied easily
- Does not scratch silvered surfaces.
- It is suitable for grouting holes with the widths 2 - 8 mm.
- Provides excellent adhesion to the edges of tiles without cracking.
- Has a long machinability duration.
- Smooth surfaces are obtained.
- Since it has little water absorbance it hardly gets dirty and can be cleaned easily.
- Freeze-thaw cycle resistant.
- Resistant to impacts, vibrations and detergents.
- In the standard colors.

Technical Data

Structure of the material	It contains mineral fillings, sythetic additives and special cement.	
Pressure Resistance	>15N/mm ²	WK
Bending Resistance	> 3,50 N/mm ²	
Water Absorbtion:		
30 minute	<2gr	
240 minute	<5gr	
Abrasion Resistance	<1000 mm ³	
Application Surface Temperature	+5°C +25°C	
Service Temperature	-20°C +80°C	
Maturation Period	3 - 5 minutes	
Usage Duration	2 hours	
Life Water Deliverance	10 - 20 minutes	
Walking Over Duration	24 hours	

All figures are at +23°C with a relative humidity of 50%. High temperatures cause shorter cure times and vice versa.

FLEKSFUGA®

Mastertile® 555 Flex

Application Procedure

Preparation of Substrate

Before filling ceramics and tile grouting holes, it must be waited for the used adhesive to achieve sufficient hardness. Just before interlining materials are applied, the surface must be cleaned without being harmed and must be dampened with a wet sponge.

Mixing

Pour the amount of water indicated in the Mixing Ratios table into a clean mixing container with the assistance of a measuring cup. Add **FLEKSFUGA®** slowly while mixing with a mixer that has a revolving frequency of 400 - 600 rev/min for about 3 - 5 minutes until a homogeneous mixture without pellets is obtained. Set it aside for about 3 - 5 minutes and the material becomes ready to use after it is mixed again for 30 more seconds.

Mixing Ratios

FLEKSFUGA®	For 1 kg of Powder	For 10 kg Bag	For 20 kg Bag
Mixture Water Amount	Max. 0,32 litre	Max. 3,20 liter	Max. 6,40 liter
Mixture Density	~1,80 kg/liter		

Coverage

Ceramic Dimensions	Coverage Table For Cement Based Grouting, Grouting Hole Depth: 8 mm					
	Grouting Widths					
	2 mm (gr/m ²)	3 mm (gr/m ²)	4 mm (gr/m ²)	5 mm (gr/m ²)	6 mm (gr/m ²)	8 mm (gr/m ²)
10 x 10	550	800	1100	1350	1600	2100
10 x 20	400	650	850	1050	1250	1700
15 x 15	450	650	900	1100	1350	1800
15 x 20	300	500	650	800	1000	1300
20 x 20	300	450	600	750	900	1200
20 x 25	275	400	500	700	800	1100
20 x 30	250	375	500	600	750	1000
30 x 30	200	300	400	500	600	800

Coverage amounts are theoretical, They show powdered product Coverages.

Application Method

Spread **FLEKSFUGA®** over the ceramics with a rubber trowel and fill the grouting interspaces. Skim the excessive material is off the grouting holes with diagonal moves. In deep grouting holes, first, wait for the settling of the material and repeat this procedure. Wait until the material can withstand the pressure of a finger and upon cleaning the whole surface with a wet sponge, give the life water that is necessary for the completion of the hydration. Clean the remaining materials on the surface of the ceramics with a wet sponge and give the final shape to the interlines. After the material gets dry (the day after by the latest), polish up the ceramics with a dry and clean oakum.

Watchpoints

- Avoid **FLEKSFUGA®** application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10 or above +30.
- Do not add water and/or new material to a **FLEKSFUGA®** mixture which has started getting dry under any circumstances..
- Ceramics with high water absorbing capacity must be saturated with water before the application.

FLEKSFUGA®

Mastertile® 555 Flex

- About 10 - 20 minutes after the application of the material a test must be made by exerting pressure with a finger.
- If no material is getting smudged on the fingers in the finger test, the process of giving life water to the interlines must be started. Thus dust extraction of the interlines, or their getting cracked is prevented and a perfect surface regularity is achieved.
- The surface cleansing procedure must not be carried out by using sawdust.

Cleaning of Tools

Used tools and equipment must be cleaned with water after the application. Once cured, **FLEKSFUGA®** can only be removed off of a surface with **PCI-Elofix®**.

Standard Colors

Bahama Beige	No: 2
Caramel	No: 3
Mittelbraun	No: 5
Balibraun	No: 6
Jasmin	No: 11
Anemone	No: 12
Crocus	No: 13
Magnolia	No: 16
Manhattan	No: 18
White	No: 20
Gray	No: 21
Cotto	No: 22
Evergreen	No: 23
Black (dark smoke color)	No: 40

Packaging

10 kg and 20 kg polyethylene reinforced kraft bag

Storage

Store in an unopened, original container, under dry and cool conditions and protect against frost. For short term storage, do not stack more than

3 palettes on top of each other and dispatch them on a first come - first go basis. Palettes should not be stacked on each other on a long term basis.

Shelf Life

12 months in original unopened packaging if stored in appropriate conditions. Opened Packagings should be consumed in one week.

Health and Safety Precautions

The following protective measures should be taken when working with the material: Wear safety gloves, goggles and protective clothing which comply with the Occupational Health and Safety Rules. Because of the irritation effect of the uncured material, component should not come in contact with the skin or eyes. Under such circumstances, the effected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately. Do not drink or eat at the application site Keep out of reach of children. Please, refer to the Material Safety Data Sheets for detailed information.

Disclaimer

The technical information and application advice given in this BASF Yapı Kimyasalları San. A.S. publication are based on the present state of our best scientific and practical knowledge. BASF Yapı Kimyasalları San. A.S. is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding place and method of use. This technical form is valid only till the new one is implemented and nullifies the old ones. 01/2008..

