

# MasterTile® FLX 555

## Cement Based Flexible Grouting for Ceramics and Tiles

### DESCRIPTION OF PRODUCT

**MasterTile® FLX 555** 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 EN 13888 - CG2WA class

CG2= Enhanced Cement based grouting (fulfilling additional properties)

W= Reduced Water absorption property

A= Highly abrasion-resistant


### 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.

### TECHNICAL DATA

Structure of The Material	It contains mineral fillings, sythetic additives and special cement.	
Pressure Resistance	≥15 N/mm <sup>2</sup>	
Bending Resistance	≥2,50 N/mm <sup>2</sup>	
Water Absorbtion: 30 minute 240 minute	≤2 gr ≤5 gr	
Abrasion Resistance	≤1000 mm <sup>3</sup>	
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	

- 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.

### APLICATION 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 **MasterTile® FLX 555** 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 Ratio

MasterTile® FLX 555	Mixture Water Amount	Mxture Density
For 1 kg of Powder	Max. 0,32 liter	~1,80 kg/lt
For 5 kg Bag	Max. 1,60 liter	
For 20 kg Bag	Max. 6,40 liter	

# MasterTile® FLX 555

## Cement Based Flexible Grouting for Ceramics and Tiles

### APPLICATION METHOD

Spread MasterTile® FLX 555 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.

### COVERAGE

Ceramic Dimensions	MasterTile® FLX 555					
	Coverage Table For Cement Based Grouting Hole Depth. 8 mm					
	Grouting Widths					
	2 mm (gr/m <sup>2</sup> )	3 mm (gr/m <sup>2</sup> )	4 mm (gr/m <sup>2</sup> )	5 mm (gr/m <sup>2</sup> )	6 mm (gr/m <sup>2</sup> )	8 mm (gr/m <sup>2</sup> )
10x10	500	700	1000	1250	1500	2000
10x20	350	550	750	950	1150	1550
15x15	300	450	600	800	950	1250
15x20	250	400	550	750	900	1150
20x20	250	350	500	700	800	1050
20x25	200	350	500	600	750	1000
20x30	200	300	450	550	650	900
30x30	150	250	350	450	550	700

Coverage Amounts are theoretical. They show powdered product Coverages.

### WATCH POINTS

- Avoid **MasterTile® FLX 555** application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +5 or above +25.
- Do not add water and/or new material to a **MasterTile® FLX 555** mixture which has started getting dry under any circumstances. Ceramics with high water absorbing capacity must be saturated with water before the application.
- 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, **MasterTile® FLX 555** can only be removed by mechanically.

### PACKAGING

5 kg and 20 kg polyethylene reinforced kraft bag

### STANDARD COLORS

Anthracite  
Bahama Beige  
Caramel  
Mittelbraun  
Balibraun  
Jasmin  
Anemone  
Manhattan  
White  
Grey  
Black (dark smoke color)  
Cappadocia Beige

### 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 palletes on top of each other and dispatch them on a first come-first go basis. Palletes 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

It is dangerous to approach the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

### DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

# MasterTile® FLX 555

## Cement Based Flexible Grouting for Ceramics and Tiles

### CONTACT INFORMATION

**Master Builders Solutions Yapı Kimyasalları  
Sanayi ve Ticaret Ltd. Şti.**

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: [mbs.tr@mbcc-group.com](mailto:mbs.tr@mbcc-group.com)

Web: [www.master-builders-solutions.com/tr-tr](http://www.master-builders-solutions.com/tr-tr)

® Registered trademark of a MBCC Group member in many countries of the world

**MasterTile® FLX 555** Technical Data Sheet -Revision  
Date: 12/2020

<h1>G</h1>	
<b>FİRMA ADI / NAME OF THE LICENCE HOLDER</b> MASTER BUILDERS SOLUTIONS YAPI KİMYASALLARI SANAYİ ve TİCARET LTD. ŞTİ.	
<b>ADRES / ADDRESS</b> BARBAROS MAH. BEGONYA SOK. NIDAKULE ATAŞEHİR KUZEY C KAPISI NO:3E/5 34746 ATAŞEHİR/İSTANBUL	
<b>FABRİKA / MANUFACTURER</b> GEBZE OSB2 MAHALLESİ 1000. CADDE NO:1017/1 ÇAYIROVA/KOCAELİ	
<b>YIL / DATE OF FIRST ISSUE OF LICENCE</b> 20	
<b>BELGE NO / REFERENCE NUMBER OF LICENCE</b> 0300026 – TSE - 02 / 01	
<b>STANDARD NO</b> TS EN 13888	
<b>ÜRÜN İSMİ/ PRODUCT NAME</b> MASTERTİLE FLEX 555	
<b>TİP TÜR / TYPE:</b> CG2WA Azaltılmış Su Emme ve Yüksek Aşınma Dayanımı, İlave Nitelikli Geliştirilmiş, Çimentolu Derz Dolgu Malzemesi / Improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance	
Aşınma Direnci / Abrasion Resistance	≤1000 mm <sup>3</sup>
Kuru depolamadan sonra eğilme dayanımı / Flexural strength after dry storage	≥2,5 N/mm <sup>2</sup>
Donma-Çözünme çevriminden sonra eğilme dayanımı / Flexural strength after freeze-thaw cycles	≥2,5 N/mm <sup>2</sup>
Kuru depolamadan sonra basınç dayanımı / Compressive strength after dry storage	≥15 N/mm <sup>2</sup>
Donma-Çözünme çevriminden sonra basınç dayanımı / Compressive strength after freeze-thaw cycles	≥15 N/mm <sup>2</sup>
Büzülme / Shrinkage	≤3 mm/m
Su emme, 30 dakika sonra / Water absorption after 30 min	≤2 g
Su emme, 240 dakika sonra / Water absorption after 240 min	≤2 g