

# GENİŞ DERZ (WIDE GROUTING)<sup>®</sup>

## Mastertile<sup>®</sup> 570

### Cement Based Grouting for Stone Plates, Glass and Pressed Bricks

#### Description of Product

**GENİŞ DERZ(WIDE GROUTING)<sup>®</sup>** is a cement based, decorative, water impermeable grouting material for ceramics, natural stone, slate stone, pressed bricks and glass brick interlines. It is also used as an adhesive for glass bricks.

#### Development Pos No: 04.013/2

#### Complies with TS EN 13888 - CBG1 class

CBG=Cement based grouting, 1= Normal grouting materials.

#### Fields of Application

- Indoor spaces, in vertical and horizontal applications,
- In the filling of the grouting holes of ceramics, natural stone, cotto, slate stone, pressed bricks and glass bricks.

- In adhering glass bricks and grouting works.
- In decorative stone overlay works,
- It is used in villas, hotels and shopping centers.

#### Features and Benefits


- Prepared and applied easily
- Suitable for grouting holes with the widths 5 - 20 mm.
- Attains an excellent adherence to the edges of stones.
- Has a long machinability duration.
- Freeze-thaw cycle resistant.
- Not effected by water.

#### Application Procedure

##### Preparation of Substrate

Stone plates must be tiled by leaving a maximum of 20 mm of grouting interspace in a manner suitable for the desired platform.

#### Technical Data

Structure of the material	It contains granulometric mineral fillings, synthetic additives and special cement.	
Pressure Resistance	>15N/mm <sup>2</sup>	WK
Bending Resistance	> 3,50 N/mm <sup>2</sup>	
Contraction Value	< 2 mm/m	
Water Absorbtion:		
30 minutes	<5gr	
240 minutes	<10gr	
Abrasion Resistance	< 2000 mm <sup>3</sup>	
Application Surface Temperature	+5°C +25°C	
Service Temperature	-20°C +80°C	
Maturation Period	3 - 5 minutes	
Usage Duration	1 hour	
Life Water Deliverance	10 - 20 minutes	
Walking Over Duration	12 hours	

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

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Grouting holes must be cleaned for a depth equal to the thickness of the plates; it must be waited for the adhesive used to come to a sufficient hardness before the application. The grouting holes of stones with high absorbance must be cleaned before beginning the grouting process 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 **GENİŞ DERZ (WIDE GROUTING)®** 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

GENİŞ DERZ®	For 1 kg Powder	For 20 kg Bag
Mixture Water Amount	~0,24 liter	~4,80 liter
Mixture Density	1,98 kg/liter	

### Application Method

Fill **GENİŞ DERZ (WIDE GROUTING)®** into grouting holes with a mortar gun. In deep grouting holes, first wait for the settling of the material and repeat this procedure. Wait until the material can resist the pressure of a finger and clean the overspill with a spatula. Straighten up and clean the grouting surfaces with a damp sponge and give the life water needed for the completion of the hydration.

### Coverage

It changes according to plate size and grouting width. On surfaces with an overlay of decorative bricks with the dimensions 6,5 cm x 21 cm, the

Coverage for a grouting interspace of 10 mm thickness is 3 kg/m<sup>2</sup>. It is 10 kg/m<sup>2</sup> as a glass brick adhesive and as a grouting filling it is 5 kg/m<sup>2</sup>.

### Watchpoints

- Avoid **GENİŞ DERZ (WIDE GROUTING)®** 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 **GENİŞ DERZ (WIDE GROUTING)®** mixture which has started getting dry under any circumstances.
- Overlay 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.
- In coatings that are used outdoors and that don't have absorptive properties, **GENİŞ DERZ (WIDE GROUTING)®** must be taken under protection with a polyethylene cover until its regimentation is completed.
- In expansion joints, **Sonolastic® NP1** must be used in the outgoings of pipes and connection points as the grouting filling.
- In rough natural stone plaques or in coating materials like cotto trial applications must be made in the filling of grouting holes.

### Cleaning of Tools

Used tools and equipment must be cleaned with water after the application. Once cured **GENİŞ DERZ (WIDE GROUTING)®** can only be removed by mechanical means.

### Standard Colors

Balibraun	No:6
White	No:20
Gray	No:21
Black (dark smoke )color	No:40

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### Packaging

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

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