

# CERMIGROUT EP 3C

**EPOXY BASED, 3-COMPONENT, SOLVENT-FREE, CHEMICAL RESISTANT GROUT AND ANCHORAGE MORTAR.**



Dark Brown

- *High corrosion and chemical resistance*
- *No shrinkage*
- *High adhesion strength*
- *High initial and ultimate strength*
- *High abrasion resistance*
- *Easy to apply*

## PRODUCT INFORMATION

### WHERE TO USE

- Repair of difficult surfaces such as airstrips, tunnels, bridges, factories, etc,
- Assembly of rail, steel, prefabricated structural elements
- Fixing of industrial machines such as turbines, generators, compressors etc.
- High resistance to vibration, heavy vehicle-load traffic

### GENERAL FEATURES

<b>Material structure</b>	: Mixture of epoxy resin and special graded aggregate
<b>Colour</b>	: Dark Brown (A+B+C)
<b>Density</b>	: Component A 1.10±0.10 gr/cm <sup>3</sup> Component B 1.00±0.10 gr/cm <sup>3</sup> Component C 1.90±0.10 gr/cm <sup>3</sup>
<b>Mixture Density</b>	: 1.80±0.10 gr/cm <sup>3</sup>

### TECHNICAL CHARACTERISTICS

<b>Compressive Strength</b> (TS EN 12190)	: 1 day ≥ 80 MPa 14 days, 80-100 MPa
<b>Tensile Strength in Bending</b> (TS EN 12190)	: 1 day ≥ 30 MPa 14 days 30-40 MPa
<b>Adhesion Strength</b> Concrete slab ≥ 2.0 MPa (EN 1542) Metal plate ~15 – 20 MPa (EN 1542-EN 12188)	
<b>Pot Life</b>	: ~ 30 minutes (20-25°C)

(\*) These values are obtained as a result of laboratory tests and are the performance values of the finished applications after 28 days. Values may vary due to differences in the construction site environment.

### STANDARDS AND DOCUMENTS

- EN 1504-3

### PACKAGING

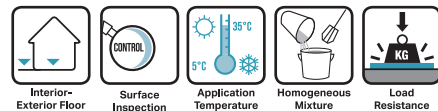
- 15 kg (2 kg + 1 kg + 12 kg) sets

### CONSUMPTION

- 1.90-2.10 kg/m<sup>2</sup> (1 mm thickness)

### STORAGE

- Moisture-free, dry and protected against external weather conditions should be stocked in warehouses.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be kept tightly closed.



## APPLICATION

## APPLICATION PROCEDURE

**Mixing ratio:** Component A : Component B : Component C = 2 : 1 : 12 by weight

**Application temperature:** +5 °C min.; +35 °C max.

**Application Thickness:** Min: 12 mm-Max: 50 mm

## APPLICATION

- Firstly, components A and B are mixed until a homogeneous mixture is obtained. Then, component C is added to this mixture and mixed with a high speed drill.
- The material mixture is rested for 5 minutes and then mixed again for 2 minutes.

## RECOMMENDATIONS

- Do not apply on frost hazardous or overheated surfaces, in direct sunlight or in high winds.
- Opened components A and B must be closed immediately after use.
- **CERMIGROUT EP 3C** should not be diluted with solvent.
- For anchoring applications, the hole diameter should be at least 7mm ( $\phi + 7$ mm) larger than the anchor diameter for vertical holes.

## SAFETY INSTRUCTIONS

- Do not inhale, avoid contact with skin and eyes.
- It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during product application.
- Please read the Material Safety Data Sheet (MSDS) for more detailed safety information.

## SUBSTRATE PREPARATION

- Application surfaces must be free from dust, dirt, oil, etc. and must be dry, smooth and sound.
- Concrete must have sufficient strength.

**Note:** Technical values and application instructions are valid under ambient temperature of 23°C with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.

**CERMIX**

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Head Office  
Koramic Yapı Kimyasalları San. Tic. A.Ş.  
E-5 Karayolu Üzeri, Şifa Mah. Hükümet Cad.  
Tuzla 34941 İstanbul / TÜRKİYE  
Phone: +90.216.423 34 33 • Fax: +90.216.423 53 63

Bozüyük Factory  
Bozüyük Organize San. Böl. 10. Cad.  
106 Ada / 5 Parsel No: 3 Bozüyük - BİLEÇİK / TÜRKİYE  
Phone: +90.228.314 63 00  
Fax: +90.228.314 63 0

Tarsus Factory  
Huzurkent Tarsus Organize Sanayi Bölgesi  
13. Cadde No: 10 Tarsus - MERSİN / TÜRKİYE  
Phone: +90.324.676 40 41-676 42 32-676 44 49  
Fax: +90.324.676 40 47