

# EUNIGROUT EG17

Epoxy Grout



## Product Description

EUNIGROUT EG17 is three components, flowing epoxy grout, designed for flow grout installation of machinery and equipment subject to heavy or dynamic loads, repairing car park areas, industrial flooring etc.,

## Advantages

- Flowing consistency for easy and rapid grout installation.
- High early strength development for rapid return to service.
- Non shrinkage. No loss of bond or surface contact for accurate fixing in bedding and grouting.
- Excellent ultimate compressive strength.
- Chemical resistant to a wide range of aggressive agents.

## Uses

Free flow gap grouting from 5mm-70 mm , for machinery bedding, under plates, crane rails, pumps, car parks, factory flooring, etc., self-leveling grouting of holding down bolts, columns, anchor bolts, fixing and wherever heavy duty support is required.

## Typical Properties

Appearance: Dark grey flowing grout  
Specific gravity (mixed grout): 2 at ambient temp.  
Storage life: 24 months in unopened containers.

## Application Data

Package: 5 Kg, Yields: 2.5L (0.0025 Cu.M)  
Mixing Ratio by weight: 0.66Kg: 0.34Kg: 4Kg,  
Resin: Hardener: Filler  
Top coats: Epoxies, Polyurethanes and others as specified Yield

Layers thickness:

Min: 5mm

Max: 70mm

## Drying Time

Pot Life: 45 minutes

To touch: 12 hrs.

To topcoat: 25 hrs.

Full cure: 6 days

Recoat Window: 14 days at ambient temp and 50% RH.

## Application Temperature

Min: 10°C

Max: 54°C

Max.Humidity: 90% Exotherms- depends on volume, surface area, ambient temperature, and thermal conductivity of surroundings.

## Service

(Minimum values are indicated) Compressive strength BS6319, part 2

	20° C N/mm <sup>2</sup>	30°C N/mm <sup>2</sup>
8 hrs	45	47
12 hrs	59	60
1 day	70	74
3 days	78	80
7 days	80	82
Flexural Strength BS6319, Part 3 N/mm <sup>2</sup>		
N/mm <sup>2</sup>	31.5	31.5

Tensile Strength BS6319, part 7  
N/mm<sup>2</sup> 17 17  
Compressive Modulus BS6319, part 6  
N/mm<sup>2</sup> 17,800  
Bond Strength BS19, part 4  
N/mm<sup>2</sup> 52  
Direct Tensile Adhesion to steel  
N/mm<sup>2</sup> 14

### **Chemical Resistance**

EUNIGROUT EG17 is resistant to a wide range of aggressive industrial chemicals including oils, most effluents, mild acids and alkalis and hydraulic fluids. The cured grout is also resistant to freeze thaw cycling.

### **Method of Use**

#### **Surface Preparation**

All surfaces must be dry, clean, sound and free from laitance, oil, grease and other contaminants and be surface dry and free from standing surface water. Removal of laitance from the concrete surface is recommended to ensure optimum bond. Degrease any bolts or other metal, and if needed grit blast or wire brush to remove rust or old coatings. Ensure the area to be filled is grout tight before starting, to avoid grout seepage and possible loss of bond, when hardened.

### **Mixing**

Blend resin and hardener components of EUNIGROUT EG17 using a mechanical grout mixer or a slow speed drill and paddle blade. When uniformly blended add the filler component and continue mixing until homogeneous (2-3 min). Avoid high speed mixers or those which entrap air in the grout while mixing. Mixing speed below 300 RPM is recommended. Do not split packs - mechanical properties will only be maintained when the correct proportions of each reweighed component are used.

### **Grout Application**

Before using allow any entrapped air to escape, and then pour grout as soon as possible. Pour into the grout feed hopper, maintaining a hydrostatic head. Pour from one side to avoid air entrapment. Do not vibrate. Work should be planned to allow for continuous placement. Do not apply in layers of more than 50 mm thickness. Apply greater thickness in two layers, allowing the first to cool before pouring the second layer.

### **Cleaning**

Tools and equipment should be cleaned immediately after use. Hardened grout can only be removed by mechanical means.

### **Storage**

Store indoors, in closed containers, protected from extreme temperatures.

### **Packaging**

EUNIGROUT EG17 is a three component system consisting of a base resin, hardener and filler packed in separate containers, over packed into a larger outer container.

### **Health and Safety**

For further information see the EUNIGROUT EG17 material safety data sheet.

### **Technical Service**

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

### **Contact Information**

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v01-02-2022