

EUNIGROUT EG 17

HIGH STRENGTH POURABLE EPOXY GROUT

DESCRIPTION

EUNIGROUT EG 17 is a three-component, flowing epoxy grout designed for grouting gaps between 5mm and 70mm at ambient temperatures between 10°C and 54°C.

USES

EUNIGROUT EG 17 serves a wide range of applications:

- Ideal for installing machinery and equipment under heavy or dynamic loads
- Suitable for machinery bedding, under plates, and crane rails
- Applicable for grouting pumps, car parks, and factory flooring
- Used for self-leveling grouting of holding-down bolts, columns, and anchor bolts
- Provides heavy-duty support in various scenarios
- Grouting areas prone to occasional chemical spills

ADVANTAGES

- Flowing consistency allows for easy and rapid grout installation
- High early strength enables quick return to service
- Non-shrinkage ensures no loss of bond or surface contact for precise fixing
- Excellent ultimate compressive strength
- Resistant to a wide range of aggressive chemicals

CHEMICAL RESISTANCE

EUNIGROUT EG 17 exhibits excellent resistance to a broad spectrum of aggressive industrial chemicals, which includes oils, most effluents, mild acids and alkalis, as well as hydraulic fluids. The cured grout also displays resistance to freeze-thaw cycling.

TYPICAL PROPERTIES

Appearance	Dark Grey		
Specific Gravity	2.0 g/cm ³ ± 0.02		
Tensile Strength (BS 6319, Part 7)	≥ 17 MPa		
Bond Strength (BS 6319, Part 4)	≥ 52 MPa		
Flexural Strength (BS 6319, Part 2)	≥ 31.5 MPa		
Compressive Modulus (BS 6319, Part 6)	≥ 17,800 MPa		
Direct Tensile Adhesion to Steel	≥ 14 MPa		
Drying Time	Pot Life	45 min.	
	To Touch	12 hours	
	To Topcoat	25 hours	
	Full Cure	6 days	
Re-coat Window	14 days at ambient temperature and 50% RH		
Compressive Strength (BS 6319, Part 2)		20°C	30°C
	8 hours	≥ 45 MPa	≥ 47 MPa
	12 hours	≥ 59 MPa	≥ 60 MPa
	1 day	≥ 70 MPa	≥ 74 MPa
	3 days	≥ 78 MPa	≥ 80 MPa
	7 days	≥ 80 MPa	≥ 82 MPa

APPLICATION

Application Conditions: Temperature between 10°C and 54°C with a relative humidity of 90%.

Surface Preparation

Before using EUNIGROUT EG 17, it is essential to prepare the surfaces properly. Ensure that all surfaces are dry, clean, sound, and free from laitance, oil, grease, and other contaminants.

Additionally, surfaces should be surface dry and devoid of standing surface water. It is recommended to remove any laitance from the concrete surface to ensure optimal bonding. For metal components such as bolts, degreasing is necessary, and if required, consider grit blasting or wire brushing to eliminate rust or old coatings.

Ensure that the area to be filled is grout-tight before beginning to prevent grout seepage and potential loss of bond once the epoxy grout has hardened.

Application Instructions

Before use, ensure that any entrapped air is allowed to escape, and proceed to pour the grout as promptly as possible. Pour the grout into the grout feed hopper while maintaining a hydrostatic head. To prevent air entrapment, it is advisable to pour from one side. Vibrations should not be used during the application.

Plan the work to allow for a continuous placement process. Avoid applying the grout in layers thicker than 50 mm. For thicknesses exceeding this limit, apply the grout in two layers, allowing the first layer to cool before pouring the second layer.

Epoxies, polyurethanes, and other coatings may be applied as topcoats.

MIXING

Mixing Ratio: 0.66 kg: 0.34 kg: 4kg (resin:hardener:filler)

- Blend the resin and hardener components using a mechanical grout mixer or a slow-speed drill with a paddle blade
- Ensure thorough mixing of the components

- Introduce the filler component and continue mixing until the mixture achieves a homogeneous consistency (approximately 2 to 3 minutes)
- Avoid using high-speed mixers to prevent air introduction into the grout
- Maintain mixing speed below 300 RPM
- Do not split the packs; use the correct proportions of each pre-weighed component to maintain desired mechanical properties

COVERAGE

The coverage of EUNIGROUT EG 17 is 2.5 liters (or 0.0025 m³) per 5 kg kit.

PACKAGING

EUNIGROUT EG 17 is supplied in 5 kg kits.

STORAGE

EUNIGROUT EG 17 should be stored and maintained in closed containers and protected from extreme temperatures. The shelf life of EUNIGROUT EG 17 is 24 months from the date of production.

HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

CONTACT

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at techsupport@alfaihaengineering.com.

DISCLAIMER

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