

Grout EP 142

High strength, three component, multi purpose epoxy grouting system

Product Description

Grout EP 142 is a three-component, multi purpose, moisture tolerant, fluid. Anchorage filling, repairing and grading mortar epoxy grouting system. Specially designed for use at temperatures between +10°C and +70°C.

Areas of Application

- Precision seating of baseplates.
- Filling and repairing of hollows, cracks and fractures for anchorage works.
- Grouting under equipment, including heavy impact and vibratory machinery, reciprocating engines, compressors, pumps, presses, etc. .
- Leveling of slab floor final before the final coating.
- Grouting under crane rails.
- Repairing and plastering of walls and ceilings.
- Repairs of corner and edges.
- Fixing of the industrial machines on the foundations.



Advantages

- Resistant to dynamic loading.
- Low peak exothermic.
- High compressive, tensile and shear strengths.
- Non-shrink under continuous loading.
- Low creep characteristics under continuous loading.
- Low dusting, ready-to-mix, pre-proportioned kits.
- Resistant to water and weather conditions.
- Corrosion and impact resistant.
- Excellent bond to concrete and steel surfaces.
- Stress and chemical resistance.
- Low coefficient of thermal expansion; compatible with concrete.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Thickness and size limitation

Grout EP 142 is designed for use even in narrow gaps under baseplates and / or where the baseplates are large to effectively transfer all static and dynamic loads to the equipment foundation even at elevated service temperatures.

Grout EP 142 is suitable for grouting large gaps up to 50mm.

Grout EP 142, the minimum pour thickness can be as low as 20mm in many applications.

Method of use

Surface preparation

- The substrate should be sound, clean and free from contamination. Surface laitance should be removed by scrubbing or grit blasting.
- Steel surfaces should be grit blasted to remove all rust and scale.
- Concrete surfaces should be dry.
- Holes drilled for anchor bolts should be thoroughly cleaned from dust and loose debris using suitable brush or compressed air.

Technical Data

Property:	
Compressive strength (MPa): BS 6319 part 2	≥ 25 @ 8 hours @ 23 °C ≥ 70 @ 1 days @ 23 °C ≥ 95 @ 7 days @ 23 °C
Tensile strength (Mpa): BS 6319 part 7	≥ 16 @ 7 days @ 23 °C
Flexural strength (Mpa): ASTM C580	≥ 32 @ 7 days @ 23 °C
Coefficient of expansion, ASTM C 531	42×10^{-6} @ 23°C -99 °C
Creep cm/cm at 4.4 MPa Load, ASTM C 1181	6×10^{-3} @ 7 days @ 60 °C

Mixing

To ensure proper mixing a mechanically powered mixer or drill fitted with suitable paddle should be used.

Mix the two components for 2 minutes. The filler should be gradually added while mixing. Mixing should continue for 2 minutes or until a uniform consistency obtained.

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Packaging

Grout EP 142 is available in 25Kg packs.

Shelf life:

Grout EP 142 can be stored in tightly closed original containers for 24 months in controlled environments.

Curing

Grout EP 142 is self-curing.

Yield

Approximately 11 liter/25kg bag depending on consistency.

Cleaning

After the application and finishing all tools should be cleaned immediately using a suitable epoxy thinner. Hardened materials should be cleaned mechanically.

Packaging

Grout EP 142 is available in 25 Kg bags.

Fire

Grout EP 142 is nonflammable.

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