

ArmGrout EPBG

(Formerly known as MYK GROUT EPBG)

Epoxy resin bearing grout



TECHNICAL DATA SHEET

Product Description

ArmGrout EPBG is a two part, pre packed and pre batched thixotropic grout material which is particularly suitable for heavy load bearing situations.

Uses

An epoxy grout for use in situations where heavy dynamic or cyclic loads are encountered. The gap between a base plate and substrate will need to be filled in situations such as reciprocating machinery, testing equipment, crane rail and transport term rail, high speed turbines, bridge bearings, centrifuges and drop forges.

Features and Benefits

- Low creep characteristics under sustained loading
- Better dynamic Load Response
- Non-shrink and hence ensures complete surface contact and bond
- High compressive, tensile and flexural Strength
- Fast, convenient installation with early strength
- Withstands a wide range of chemicals
- Suitable for narrow gaps of 3 to 50 mm

Application Methodology

Step no 1: Surface Preparation

Concrete Surfaces

All contact surface must be free from oil, grease, free standing water or any loosely adherent material. Concrete surfaces should be cut back to a sound base, if needed. All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

Steel surfaces

All steel surfaces should be shot blasted free of rust and flaky mill scale. Cleaned surfaces may be protected by the application of FloArm Primer 1260

Form work

The formwork should be constructed to be leak proof. Loss of grout material placed, but not hard need, will result in incomplete filling of the gap.

Step no 2: Mixing

Pour all the contents of the base and hardener packs into a suitable container. Mix using a slow speed power mixer until homogenous.

Step no 3: Placing

The mixed grout should be poured or pumped under pressure steadily from one side only to eliminate the entrapment of air.

Continuous grout flow is essential. Sufficient grout must be an available prior to starting grouting operation. Time gap between the Successive stages of grouting should be monitored to avoid joints.

Flow characteristic

The maximum distance of flow is governed by the gap thickness, the gravity head/pressure and ambient temperature. ArmGrout EPBG is a thixotropic grout and requires to be pumped/poured under gravity, for filling the gaps.

Cleaning

All tools and equipment should be cleaned immediately after use with FloArm Clean PU Spillages should be absorbed with sand or saw dust and disposed in accordance with local regulations.

LIMITATIONS

Temperature During application

For ArmGrout EPBG, at temperatures below 20°C, the curate may be slow, but will go to completion provided the temperature remains above 5°C.

In service

The cured grout, which is completely resistant to frost and sub-zero temperatures, is suitable for use up to 60°C.

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Technical Data

ArmGrout EPBG is suitable for a wide gap range from 3 mm to 50mm.

The following results are typical for the hardened Also for use in conditions where chemical spillage may be encountered. Typical situations could be met in steel works, refineries, electroplating works and chemical plants

Pot life: -

Ambient temperature affects the time for which large quantity of mixed bulk material will remain fluid.

Typical value in minutes at 30°C: 60 minutes

Arm Grout EPBG will develop a temperature rise on mixing. Its extent will be a function of the volume to surface ratio, the ambient temperature as well as the mass and thermal conductivity of the surrounding materials. Contact MYK Arment for specific data.

Specification clause: -

ArmGrout EPBG, complies with ASTM C 881-87 Type 1, Grade 2, Class C.

Mechanical Properties: -

Colour of mixed material	Dark Grey
Compressive Strength (N/ mm ²) (ASTM D 695)	1 day Approx.40 7 days Approx.60

Chemical Resistance: - as per (ASTM 1308)

ArmGrout EPBG is resistant to oil, grease, fuels, mild acids and alkalis, fresh and sea water. Consult MYK Arment when exposure to solvent or concentrated chemicals is anticipated.

Packaging

ArmGrout EPBG is supplied in 6 kg (Approx 3.4 Litre Volume) packs containing base and hardener.

Storage and Shelf Life

ArmGrout EPBG has a shelf life of 12 months in unopened container under normal warehouse condition.

Health & Safety

ArmGrout EPBG contains resins which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapour. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream, followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention immediately do not induce vomiting.

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Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.