

EpoxyPlus PG

EpoxyPlus PG is a three-pack high-flow epoxy grout, with excellent low temperature curing characteristics, making it suitable for underplate grouting applications such as crane rails, machine base plates, bridge bearing pads and stanchion bases.

Description

The properties of EpoxyPlus PG are achieved by blending modified epoxy resins to form a base component, which is activated by a formulated amine hardener. The filler component is a blend of limestone and silica sands.

The mixed material has high-flow properties, allowing it to be either poured under gravity or pumped into place.

Directions for Use

1. Substrate preparation

The substrate should be sound, dry and free from all contaminants, such as dust, oil and grease. All joints in framework etc. must be water tight to avoid grout loss.

2. Priming

EpoxyPlus PG is a resin-rich system which is self priming.

3. Mixing

The contents of the hardener bottle and the tin of resin should be poured into a clean vessel and mixed thoroughly. Care should be taken to avoid hardener losses when mixing and the use of a mechanical mixer such as a slow speed, high powered drill and mixer paddle is recommended. Mixing of the resin and hardener should be carried out for a minimum of 2 minutes. The filler component should then be added slowly and the mixing continued for a further 1-2 minutes or until homogeneous. Once mixed, EpoxyPlus PG should be placed immediately.

4. Application

EpoxyPlus PG is formulated for placement in gap sizes of 10-50mm. This is typically achieved by forming a shutter and "letter-box" arrangement. The mixed grout is usually poured into place in a continuous and steady manner until the bed is completely filled.

5. Cleaning

All tools should be cleaned before the grout hardens using a proprietary cleaner. If the grout is allowed to set it can only be removed by mechanical means.

N.B. In common with other epoxy resin systems EpoxyPlus PG should not be applied at temperatures below 5°C.

Information and Sales:



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Performance Data

Density	1800kg/m ³	
Typical pot life	Temp°C	Pot life (mins)
	5	120
	20	50

The pot life for epoxy grouts and mortars will vary depending on the quantity of mixed material. The times quoted are only for guidance.

Typical compressive strength development (MN/m²)

Temp°C	1 day	3 days	7 days
5	22	35	55
20	55	60	65

Typical ultimate physical properties (BS 6319)

Compressive strength	65MN/m ²
Tensile strength	15MN/m ²
Flexural strength	35MN/m ²
Compressive modulus	10GN/m ²

Storage

Store in dry, cool, frost-free conditions; under such conditions, shelf life is at least 12 months.

Packaging

EpoxyPlus PG is available in 5.5 litre (0.0055m³) units.

Health and Safety

EpoxyPlus PG consists of epoxy resins and hardener systems, which are currently classified as hazardous materials. Wear suitable protective clothing, eye/face protective and gloves, and ensure adequate ventilation.

For further health and safety information, please refer to the relevant Safety Data Sheet.

Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of our continual research and development programme the information relating to each product has not been superseded.