

# PIOFLOW EP150

General-purpose epoxy grout

## DESCRIPTION

**PIOFLOW EP150** is a 3-component, solvent free, pouring grade epoxy grout, specially designed to develop high early and ultimate compressive strengths with low exotherm properties for heavy duty applications.

**PIOFLOW EP150** offers excellent load transfer, chemical and abrasion resistance, providing a smooth free-flowing consistency that completely fills the required widths of 10-150 mm in a single layer of grout.

## USAGES

- Suitable for using in many industries such as power industry, chemicals, oil and automotive
- For grouting very heavy-duty machineries such as turbines, generators, and other static machines subject to dynamic loads
- Crane rails, Transporter rails, drop forges, base plates of heavy plant or equipment
- Applications where chemical resistance is required

## ADVANTAGES

- Resistant to vibration and continuous dynamic loads
- Non-shrink and adherent to surfaces attached with
- Easy to apply and achieves early strength
- Low creep characteristics under sustained loading.
- Withstands a wide range of chemicals
- Provides a waterproof pile head treatment preventing water ingress into pile caps
- Can be used for anchoring bolts into post drilled holes of 5-25 mm greater than the diameter of the bolt or bar

## TECHNICAL DATA

### PIOFLOW EP150

### Typical values

<i>Compressive Strength</i> @day 7 (BS 6319-p2)	105 N/mm <sup>2</sup>
<i>Flexural Strength</i> @day 7 (BS 6319-p3)	35 N/mm <sup>2</sup>
<i>Tensile Strength</i> @day 7 (BS 6319-p7)	20 N/mm <sup>2</sup>
<i>Full Cure</i>	7 days
<i>Effective Bearing Area</i>	95% minimum
<i>Pot Life</i> @25°C @35°C	40 min 30 min
<i>Peak Exotherm</i> 200 grams mass	50°C
<i>Water Absorption</i>	< 0.10%

## USAGE INSTRUCTIONS

### 1. Surface preparation

Long term durability and function can only be achieved with good surface preparation to give a strong adhesive & mechanical bond to the substrate.

Concrete surfaces particularly if new, should be fully cured with a maximum residual relative humidity (RH) of 75%, clean and free from contamination such as dust, oil, grease, organic growth, release agents & curing compounds.

For grouting base plates, erect a watertight formwork tight to the longest sides of plate to be grouted, ensuring the height of the formwork extends above the height of the base plate.

At one of the short ends of the plate, erect a hopper at least 50 mm away from the plate, with sufficient volume to create a minimum height of 200 mm above the level of the base plate.

At the opposite short end to the hopper erect a similar formwork to the long sides but leaving a gap not exceeding 25 mm from the plate to minimize the unrestrained area of grout as it exits from under the plate.

### 2. Priming

Priming is not normally required however please ensure the substrate is clean, dry, sound and free from contamination.

### 3. Mixing

Stir component A & B separately, then pour all contents of the hardener container into the base container, mix using a slow speed power mixer until achieving a homogeneous mix.

Pour all the resultant liquid into container with a capacity of 15-25 liters, then immediately add all component C (the filler) provided for the product, Mix using a slow speed power mixer for two minutes or until a uniform color is achieved in the grouts.

### 4. Placement

It is essential pouring the mixed grout steadily and continuously to avoid the entrapment of air, therefore sufficient mixed grout must be available prior to starting the placement.

The time taken to pour the batch should be regulated to the time taken to prepare the next batch.

<b>PIOFLOW EP150</b>	<b>Yield</b>
32 Kg mix	16 liters

## STORAGE & SHELF LIFE

**PIOFLOW EP150** shall be stored in normal conditions away from extreme temperatures, and any source of moisture. Shelf – life is 12-months.

## PACKAGING

**PIOFLOW EP150** is supplied in 32 kg set, component A, B & C.

## HEALTH & SAFETY

Before applying **PIOFLOW EP150** all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If any of **PIOFLOW EP150** parts splashed to skin, it must be washed off by water and soap at once, and if any irritation, seek a medical attention.

### TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:  
concretedoctor@arkaz.com

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13-March-2020