

# MIXBUILD EPH

Three component epoxy resin based anchoring / bedding grout / repair mortar



the construction chemist...

## Introduction

**Mixbuild EPH** is a three component solvent free epoxy resin based grouting system for anchoring and bedding. It is a combination of high performance epoxy resins, specially graded aggregates and additives to provide excellent anchoring strength.

## Appropriation

Mixgrout EPH is used for suitable for application in Anchoring of cranes, towers and dock sills  
Anchoring of bolts and bars with 15mm–60mm diameter in concrete, bricInstallation of reinforced concrete starter bars, foundation bolts and railway tracks  
Pile cap / pile head encapsulation to ensure water tightness

## Characteristics

High temperature resistance  
Solvent free  
Excellent impact and abrasion resistance  
Very good flow characteristics  
Early strength development  
Adjustable consistency, excellent workability and specially formulated for deep grouting

## Technical Data and Properties

Standard Confirms to	BS 5080, BS2782, BS 4551
Color and Appearance	Grey Powder
Density @ 30°C	2.1g/cc
Compressive Strength @ 7Days	80 N/mm2
Tensile Strength	13.6N/mm <sup>2</sup>
Flexural Strength	23.9N/mm <sup>2</sup>
Water Powder Ratio	0.126 to 0.133
Pot Life @ 25°C	30min
Yield	10Kg will give 5l



## Product Management

**Application procedure:** The surface to receive Mixgrout EPH should be structurally sound and clean. Remove traces of oil, mould release agent, curing compound, grease, paint, laitance etc. The area shall be dry and free from standing water.  
**Mixing:** Mix part A and Part B separately for one minute using an electric drill fitted with suitable paddle. Then add Part B into Part A and mix thoroughly for 3 minutes. Later add Part C (aggregates) slowly and mix thoroughly for 5 minutes to achieve a uniform homogenous colour and consistency.

**Placing:** Place Mixgrout EPH immediately after mixing. Ensure that the material is placed continuously to avoid entrapment.

**Cleaning:** Clean the tools with xylene or nay solvents after use

## Packing & Storage

Mixgrout EPH is available in 10 kg unit & 30 kg unit. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixgrout EPH should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

## Health & Safety

Mixgrout EPH contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each PyChem product.

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



MANUFACTURED BY  
PYCHEM CO. L.L.C.  
P.O. Box : 7498, T : +971 6 7672151, F : +971 6 7672161, U.A.Q - U.A.E.  
E: INFO@PYCHEM-CG.COM , PYCHEMCO@GMAIL.COM WWW.PYCHEM-CG.COM