

# PIOMORTAR B

High strength bearing epoxy mortar

## DESCRIPTION

**PIOMORTAR B** is a 3-component, solvent free, pouring grade epoxy mortar, specially designed to develop high early and ultimate compressive strengths with low exotherm properties for heavy duty applications. **PIOMORTAR B** offers excellent load transfer, chemical and abrasion resistance, providing a smooth free-flowing consistency that completely fills the required widths of 20-100 mm in a single layer of grout.

## USAGES

- Suitable for using in many industries such as power industry, chemicals, oil and automotive
- A mortar beneath heavy-duty machineries e.g. turbines, generators, and other static machines subject to dynamic loads
- 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

PIOMORTAR B	Typical values
Compressive Strength @day 7 (BS 6319-p2)	95 N/mm <sup>2</sup>
Flexural Strength @day 7 (BS 6319-p3)	29.50 N/mm <sup>2</sup>
Tensile Strength @day 7 (BS 6319-p7)	14.50 N/mm <sup>2</sup>
Full Cure	7 days
Effective Bearing Area	95% minimum
Pot life @25°C @35°C	40 min 30 min
Peak Exotherm 200 grams mass	50°C
Water Absorption	0.14%

## 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.

### 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 mortar 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.

#### PIOMORTAR B

32 kg mix

#### Yield

16 liters

## PACKAGING

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

## HEALTH & SAFETY

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

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

## STORAGE & SHELF LIFE

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

### 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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