

TECHNICAL DATA SHEET

P123

V2-23/03/2024

DESCRIPTION

P123 Acid Proof Epoxy Mortar is a heavy-duty, acid proof repair and screeding system used for hard wearing floor areas that are exposed to strong acids.

PROPERTIES

• Compressive strength: > 80mPa

• Flexural strength: 32mPa

Bond strength: Concrete Fails

RECOMMENDED AREAS FOR USE

Used for floor areas exposed to high traffic along with chemical & solvent spillage. Such as: mining, water waste treatment, paper & pulp, sugar refining, food factories, dairies & breweries.

Also used as a concrete repair mortar, rail grout, acid proof tile grout and bridge nosing compound.

ACID PROOF EPOXY MORTAR (A)

COLOUR (RESIN) : Clear

N°. OF COMPONENTS : 3 (Base : Activator : Aggregate)

MIXING RATIO : 2.07lt : 0.93lt : 25kg

CONSISTENCY : Liquid (Resin), Sand (Aggregate)

VOLUME SOLIDS : 100% MIXED DENSITY (RESIN) : 1.11

PRACTICAL SPREAD RATES : 12 litres = 2m² @ 6mm

DRY FILM THICKNESS POT LIFE @ 25°C : 40 min HARD DRY @ 25°C : 8 hrs : 24 hrs LIGHT TRAFFIC @ 25°C **FULL CURE** : 7 days APPLICATION TEMPERATURE : 10 to 40°C : -20°C to +80°C **OPERATING TEMPERATURE CLEANING EQUIPMENT** : P701 WSBC STORAGE TEMPERATURE : 10 to 40°C SHELF LIFE : 12 months **PACK SIZE** : 12 litres (28kgs)

CHEMICAL RESISTANCE

Resistant to most acids & alkalis, including 98% Sulphuric Acid, 37% Hydrochloric Acid, 50% Sodium Hydroxide, petroleum products& Aliphatic Solvents.

SURFACE PREPARATION

All surfaces must be clean & mechanically sound and free of oil, dirt & dust. Concrete and cement screeds to preferably have a woodfloat finish, with a minimum compressive strength of 25mPa. Abrasive blast, diamond grind or acid etch to remove laitance.

PRIMING

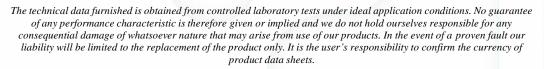
Prime with P123 Acid Proof Epoxy Resin @ 5m²/lt. Trowel the mortar onto the wet primer.

APPLICATION

Thoroughly mix the resin and the activator in the proportions given, then add the aggregate using a slow speed mechanical mixer. Pour the mixture onto the floor to slow down the exothermic reaction. Using a screeding bar apply the epoxy screed to a normal thickness of 6mm using a nylon or PVC float. Keep wiping the float with water. Allow to cure for at least 12 hours then seal with specified Pendong sealer. Allow the resin to cure for a total of 7 days before exposing it to strong acids.

SPECIAL NOTES

- Allowance must be made for expansion joints. Pendong manufactures a flexible polyurethane joint sealant (P601)
- Pendong also produces a non-shrink epoxy grout (P311) for machine bedding, bolt fixing, vertical surfaces and underwater curing system.







TOXICITY

Although P123 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resinsystems be adhered to. Refer to the 16-Point Material Safety Data Sheet.

HOW TO SPECIFY

All areas to be prepared, primed and screeded with P123 Acid Proof Epoxy Mortar to a minimum thickness of 6mm in accordance
with the manufacturer's instructions.

