

TECHNICAL DATA SHEET

P303

V2-31/03/2024

EPOXY MORTAR LITE

DESCRIPTION

P303 Epoxy Mortar Lite is a heavy-duty repair and screeding system for vertical repairs and screeds

PROPERTIES

- Compressive strength: 70 n/mm² astm 695-85
- Tensile strength: 18 n/mm² astm p638-76
- Flexural strength: 30 n/mm² astm p790-86
- Bond strength: Concrete Fails.
- Good Adhesion
- Water Smoothable

RECOMMENDED AREAS FOR USE

Used for walls, ceilings, plinths, tanks and pump bases in 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 and tile grout.

COLOUR	: Natural Off-White/Cream
Nº. OF COMPONENTS	: 3 (Base : Activator : Aggregate)
MIXING RATIO	: 2lt : 1lt : 9kg
CONSISTENCY	: Thick Mortar (Light Weight)
VOLUME SOLIDS	: 100%
MIXED DENSITY (RESIN)	: 1.08
PRACTICAL SPREAD RATES	: 1m ² /ℓ
DRY FILM THICKNESS	: 6 – 20 mm
POT LIFE @ 25°C	: 40 min
HARD DRY @ 25°C	: 8 hrs
LIGHT TRAFFIC @ 25°C	: 24 hrs
FULL CURE	: 7 days
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +60°C
STORAGE TEMPERATURE	: 10 to 40°C
CLEANING EQUIPMENT	: P701 WSBC
SHELF LIFE	: 12 months
PACK SIZE	: 11 litres (12kg) Total

CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

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 P303 Epoxy Mortar Lite Resin @ 5m²/ℓ.
Broadcast N°. 1 sand aggregate @ 1.5kg/m² onto the wet primer and allow to cure.

APPLICATION

Thoroughly mix the resin and activator in the proportions given, then add the aggregate using a slow speed mechanical mixer. Using a trowel apply the epoxy screed to a nominal thickness of 6 - 20mm using a nylon or PVC float. Keep wiping the float with water.

Allow to cure for at least 12 hours then seal with the specified Pendong sealer.

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.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.



TOXICITY

Although P303 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resin systems be adhered to.

HOW TO SPECIFY

All areas to be prepared, primed and screeded with P303 Epoxy Mortar Lite to a minimum thickness of 6mm in accordance with the manufacturer's instructions.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.

