

## TECHNICAL DATA SHEET

## P302

V2-31/03/2024

### EPOXY MORTAR STD

#### DESCRIPTION

P302 Epoxy Mortar Std is a heavy-duty repair and screeding system for hard wearing floor areas.

#### PROPERTIES

- Compressive strength: >96 n/mm<sup>2</sup> astm 695-85
- Tensile strength: 18 n/mm<sup>2</sup> astm d638-76
- Flexural strength: 34 n/mm<sup>2</sup> astm d790-86
- Bond strength: Concrete Fails.
- Good Adhesion
- Water Smoothable

#### 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, tile grout and bridge nosing compound.

<b>COLOUR</b>	: Natural Brown
<b>Nº. OF COMPONENTS</b>	: 3 (Base : Activator : Aggregate)
<b>MIXING RATIO</b>	: 2lt : 1lt : 25kg
<b>CONSISTENCY</b>	: Thick Mortar
<b>VOLUME SOLIDS</b>	: 100%
<b>MIXED DENSITY (RESIN)</b>	: 1.08
<b>PRACTICAL SPREAD RATES</b>	: 12 litres = 2m <sup>2</sup> @ 6mm
<b>DRY FILM THICKNESS</b>	: 6 mm
<b>POT LIFE @ 25°C</b>	: 40 min
<b>HARD DRY @ 25°C</b>	: 8 hrs
<b>LIGHT TRAFFIC @ 25°C</b>	: 24 hrs
<b>FULL CURE</b>	: 7 days
<b>APPLICATION TEMPERATURE</b>	: 10 to 40°C
<b>OPERATING TEMPERATURE</b>	: -20°C to +60°C
<b>STORAGE TEMPERATURE</b>	: 10 to 40°C
<b>CLEANING EQUIPMENT</b>	: P701 WSBC
<b>SHELF LIFE</b>	: 12 months
<b>PACK SIZE</b>	: 12 litres (28kg) 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 P302 Epoxy Mortar Std Resin @ 5m<sup>2</sup>/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 Dekster 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.

#### TOXICITY

Although P302 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resinsystems be adhered to.

*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.*



#### **HOW TO SPECIFY**

All areas to be prepared, primed and screeded with P302 Epoxy Mortar Std to a minimum thickness of 6mm in accordance with the manufacturer's instructions.

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