

## TECHNICAL DATA SHEET

## D302 EPOXY MORTAR STD

V2-31/03/2024

### DESCRIPTION

D302 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>N° 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>	: D701 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 wood float finish, with a minimum compressive strength of 25mPa. Abrasive blast, diamond grind or acid etch to remove laitance.

### PRIMING

Prime with D302 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. Dekster manufactures a flexible polyurethane joint sealant (D601).
- Dekster also produces a non-shrink epoxy grout (D311) for machine bedding, bolt fixing, vertical surfaces and underwater curing system.

### TOXICITY

Although D302 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 D302 Epoxy Mortar Std to a minimum thickness of 6mm in accordance with the manufacturer's instructions.