



DENSO 302 EPOXY MORTAR

DESCRIPTION

Denso 302 Epoxy Mortar is a heavy-duty repair and screeding system for hard wearing floor areas.

PRACTICAL USES

Floor areas subject to high traffic and 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.

PERFORMANCE & DURABILITY

- Compressive strength: >96 N/mm² astm 695-85.
- Tensile strength: 18 N/mm² astm d638-76.
- Flexural strength: 34 N/mm² astm d790-86.
- Bond strength: concrete fails.

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 or acid etch to remove laitance.

PRIMING

Prime with *Denso 320 Epoxy Mortar Resin* @ 5m²/l.

APPLICATION

Thoroughly mix the resin and 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 nominal 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 the specified *Denso* sealer.

SPECIAL NOTES

- Allowance must be made for expansion joints. *Denso* manufactures a range of joint sealants.
- *Denso* also produces a range of non-shrink epoxy grouts for machine bedding, bolt fixing, vertical surfaces and under water curing systems.

CLEANING EQUIPMENT

Clean equipment immediately after use with fresh water and soap.

TOXICITY

Although *Denso 302 Epoxy Mortar* 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 *Denso 302 Epoxy Mortar* to a minimum thickness of 6mm in accordance with the manufacturer's instructions.

COLOUR	: Natural Grey
N°. OF COMPONENTS	: 3 (Epoxy + Activator + Agg.)
MIXING RATIO	: 2 litres + 1 litre + 25 kgs
PACK SIZE	: 12 litres (28 kgs)
VOLUME SOLIDS	: 100%
FLASH POINT	: > 100°C
PRACTICAL SPREAD RATES	: 1litre/m ² /mm
POT LIFE @ 25°C	: 40Min.
HARD DRY @ 25°C	: 8 hours
LIGHT TRAFFIC @ 25°C	: 24 hours
FULL CURE @ 25°C	: 7 Days
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +80°C
CLEANING EQUIPMENT	: Fresh water
STORAGE TEMPERATURE	: 10 to 40°C
SHELF LIFE	: 12 months