DATA SHEET

Valley Paints
EPOXY MORTAR V-E-M 501

DESCRIPTION

- Valley Paints 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 astm695-85.
- Tensile strength: 18 n/mm² astm d638-76.
- Flexural strength: 34 n/mm² astm d790-86.
- Bond strength: concrete fails.

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 Valley Paints Epoxy Sealer @5m²/l.

APPLICATION

- Thoroughly mix the resin and activator in the proportions given, and 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 Valley sealer.

CLEANING EQUIPMENT

- Clean equipment immediately after use with Valley brush cleaner.

TOXICITY

- Although Valley Paints 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 Valley Paints Epoxy Mortar to a minimum thickness of 6mm in accordance with the manufacturer's instructions.

TECHNICAL DATA

COLOUR	: Natural Grey / brown
Nº. OFCOMPONENTS	: 3 (Epoxy + Activator + Agg.)
MIXING RATIO	: 2 litres + 1 litre + 25 kgs
PACK SIZE	: 12 litres (28 kgs)
VOLUME SOLIDS	: 100%
FLASH POINT	: > 100ºC
PRACTICAL SPREAD RATES	: 1litre/m²/mm
POT LIFE @ 25ºC	:40Min.
HARD DRY @ 25ºC	: 8hours
LIGHT TRAFFIC @ 25ºC	: 24 hours
FULL CURE @ 25ºC	: 7 Days
APPLICATION TEMPERATURE	: 10 to 40ºC
OPERATING TEMPERATURE	: -20ºC to +80ºC
CLEANING EQUIPMENT	: Fresh water or brush cleaner
STORAGE TEMPERATURE	: 10 to40ºC
SHELF LIFE	: 12months

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