

TECHNICAL DATA SHEET

D303 EPOXY MORTAR LITE

V2-31/03/2024

DESCRIPTION

D303 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 d638-76
- Flexural strength: 30 n/mm² astm d790-86
- 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
N^o. 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	: D701 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 wood float finish, with a minimum compressive strength of 25MPa. Abrasive blast, diamond grind or acid etch to remove laitance.

PRIMING

Prime with D303 Epoxy Mortar Lite Resin @ 5m²/ℓ.
Broadcast N^o. 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 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 D303 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 D303 Epoxy Mortar Lite to a minimum thickness of 6mm in accordance with the manufacturer's instructions.