

### Performance Products

Cement – the critical choice for your concrete projects.



plaster



mortar



concrete



brick & block manufacture

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**Mamba Cement Plant**  
Krokodilkraal  
545 KQ (Ptn 53)  
Provincial road D2704

GPS Co-ordinates:  
24°59'13.1"S  
27°32'49.8"E

Reg: 2010/022270/07  
VAT: 4560259295

Mamba 42,5R consists of cement clinker, gypsum and fly ash. In accordance with defined CEMII specification, Mamba Cement is manufactured in a modern cement plant with a capacity of 1 200 000 tons per year. Clinker is produced using high quality limestone.

The plant is located at Koedoeskop, Limpopo Province, South Africa. (GPS –S24° 59' 02.1; E27° 32' 43.84")

### Typical Applications

- Precast manufacturing
- Ready mix concrete manufacturing
- General building
- Structural Applications
- Brick and block making



### Performance Characteristics EN 197-1 – CEM II/A-M 42,5 R

Compressive Strengths	Dispatch average MPa (ISO)	SABS Specification
2 days	24	≥ 20
7 days	38	-
28 days	46	≥ 42.5 ≤ 62.5

Physical Properties	Actual
Initial Setting (min)	220
Expansion (mm)	0.5
Fineness (cm <sup>2</sup> /g)	400

Chemical Properties	Actual %
Sulphate Content (SO <sub>3</sub> )	2.50
Chloride Content (Cl)	0.03



### Hazardous

Care should be taken when handling cement powder. Use a dust mask, goggles and gloves. It may cause irritation to the eyes and respiratory system and when mixed with water may cause skin irritation.

In the event of direct contact, cement should be removed and the area of contact rinsed thoroughly with water.

### Mixing Cement

Suggested concrete and motor mixes are provided on the back of the cement bag, these mixes are based on generally available types of sand and aggregate.

The Mamba Cement Call Centre will arrange for a qualified person to provide information in the event a customer requires technical assistance.