**Pure Performance ethos**

Mamba Cement’s pure performance ethos is aligned with all the contents in Mamba Cement bags.

The product is manufactured in a modern integrated cement plant with a current capacity of 1 200 000 tons per annum. Mamba Cement is produced in the newest cement plant in Southern Africa using a high quality limestone deposit to make clinker, which together contribute towards the Pure Performance ethos.

The plant is located at Koedoeskop, Limpopo Province, South Africa (GPS: S 24°, 59’, 15”; E 27° 32’, 48”).

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**Mix guidelines for bagged cement**

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

The Call Centre will arrange for a competent person to provide advice in the event the user requires technical assistance.

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**Stockists**

Mamba Cement is readily available including many building materials suppliers and retailers.

Please contact Mamba Cement to find a supplier near you.

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**Mamba 42,5R**

Mamba 42,5R consists of cement clinker, gypsum and fly ash, in accordance with defined CEM II specifications.

**Typical Applications**

- Precast manufacturing
- Ready mix concrete manufacturing
- General building
- Structural applications
- Brick & block making

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**Performance Characteristics**

EN 197-1 – CEM II/A-M 42,5 R

<table>
<thead>
<tr>
<th>Compressive Strengths</th>
<th>Dispatch average MPa (ISO)</th>
<th>SABS Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 days</td>
<td>24</td>
<td>≥ 20</td>
</tr>
<tr>
<td>7 days</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>28 days</td>
<td>46</td>
<td>≥ 42.5 ≤ 62.5</td>
</tr>
</tbody>
</table>

**Physical Properties**

<table>
<thead>
<tr>
<th>Initial Setting (min)</th>
<th>220</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expansion (mm)</td>
<td>0.5</td>
</tr>
<tr>
<td>Fineness (cm²/g)</td>
<td>400</td>
</tr>
</tbody>
</table>

**Chemical Properties**

| Sulphate Content (SO3) | 2.50 |
| Chloride Content (Cl)  | 0.03 |

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**Hazards**

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 case of direct contact, rinse thoroughly with water to remove all visible traces.