



## POWERCRETE 52.5

### Characteristics

Product type:	Ultra high compressive strength cement of minimum 52.5 MPa (N/mm <sup>2</sup> ) at 28 days
Conformity:	Manufactured to specifications of harmonized EA standard KS EAS 18-1 as adopted from EN 197-1 (European Norm) and Chinese (GB 175, TB 10424) standards
Constituents:	Clinker, gypsum
Technical name:	Portland Cement CEM I 52.5 (Ex-Mombasa Plant)
Packaging:	50kg bag, 1 ton jumbo bag, bulk cement

### Benefits

- Fast setting
- Highest early and 28 day concrete strengths
- Reduced probability of plastic shrinkage cracking (due to less paste content) in concrete
- Less cement usage per cubic metre of concrete for equivalent strengths

- Free lime content (fCaO)  $\leq 1.0\%$
- Alkali content (Na<sub>2</sub>O equivalent)  $\leq 0.60\%$
- C<sub>3</sub>A content  $\leq 8.0\%$
- Loss on ignition (LOI)  $\leq 3.0\%$

### Ideal for

- Prestressed concrete railway sleepers
- Post-tensioned and prestressed slabs and beams
- Centrifugally spun precast concrete pipes and poles
- Bridges
- Overpasses/viaducts
- Windmill foundations
- Large precast concrete elements
- Raft foundations for skyscrapers
- Self compacting concrete
- High rise structures, silos and slip formworks
- High strength concrete for columns, suspended slabs, heavy duty industrial floors and water retaining structures
- Ordinary foundations, slabs, beams and columns