



Bamburi cement

Bamburi Cement Limited is East Africa's leading cement producer with an annual capacity of 3.2 million tons, and a member of Lafarge Group - the world's largest building materials supplies group. Bamburi is one of the most technologically advanced yet environmentally responsible cement producers in Africa.

All Bamburi Cement products are produced under stringent quality controls in line with Kenyan and EN (European Norm) standard specifications. Bamburi Cement products have been awarded the superior Diamond Mark of Quality certificate by the Kenya Bureau of Standards, epitomising excellent, consistent performance on quality and compliance to standards.

Bamburi Cement provides the **WIDEST** and most **INNOVATIVE** range of Cement and Concrete Solutions.

Our Vision

To be the undisputed leader and preferred partner by providing innovative solutions for nation building.



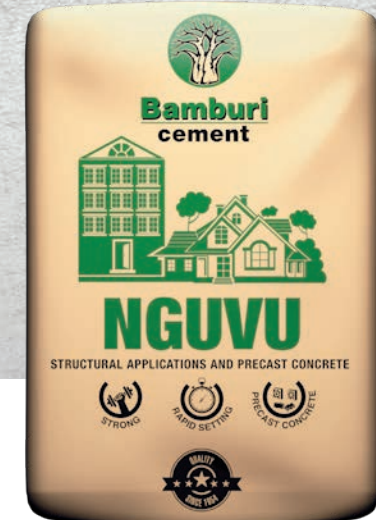
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APPLICATION BASED CEMENT



NGUVU 32.5R CEMENT For Structural Applications and Precast Work



**Bamburi
cement**
Part of you. From the start

NGUVU CEM II/B-L 32.5R

NGUVU CEM IV/B(P) 32.5R

General

Bamburi Cement Manufactures two types of Nguvu Cement; **Nguvu Cem II B-L 32.5 R** is a portland limestone cement produced out of our Bamburi Cement plant in Mombasa by intergrinding clinker with limestone.

Nguvu Cem IV/ B(P)32.5 R is a portland pozzolanic cement produced out of our Nairobi Grinding Plant in Athi River by intergrinding clinker with pozollana.

Composition

The products conform to the physical and chemical requirements of the harmonized East African Standard KS EAS 1-18 composition, specifications and conformity criteria for common cements.

KS EAS 1-18 is an adoption of the European Norm EN1-197 cement standard.

Benefits

- **NGUVU 32.5R** is characterized by high early and 28 day strengths
- Fast setting: Develops early day strengths rapidly
- Strong; Achieves the desired final day strength for concrete
- Gives desired bonding and stickability in concrete and masonry works
- Easy to mix and apply
- Smooth plastering
- Improved sulphate resistance for pozzolanic Nguvu
- Available countrywide in retail, wholesale and distributor outlets

Certification

NGUVU 32.5R has a standardization mark and the superior diamond mark of quality as certified by the Kenya Bureau of Standards.



Applications

Structural applications/Reinforced concrete

- Suspended slabs
- Columns
- Beams
- Water retaining structures
- Staircases

Medium strength concrete

- Mass concrete
- Domestic floors, foundations and footings

Low strength concrete

- Poles and post foundations

Mortar for brick laying and plastering

Block Making

- Concrete blocks
- Soil stabilized blocks

Precast concrete

- Paving blocks
- Culverts
- Slabs
- Road kerbs
- Fencing posts
- Waffles etc

Bamburi Cement manufactures **NGUVU 32.5R** under strict quality assurance and quality control procedures to ensure optimum product performance and consistency.

There are many variables that affect concrete performance that are beyond the control of the cement manufacturer. Skilled persons should use cement with special attention given to batching, mixing, placing, compaction, finishing and curing.

The judicious selection of concrete constituent materials with special emphasis on aggregates coupled with proper **concrete mix design process and testing of trial mixes** will assist users in obtaining the best results.

Storage & Usage information

	<h4>HANDLING AND STORAGE</h4> <p>Transport cement in vehicles with adequate protection from humid weather. Store cement on timber pallets at least 10cm above the floor in a dry building free from moisture or water. Stack cement to a maximum of 10 bags. Use the cement in a first in first out basis.</p>
	<h4>AGGREGATES AND MIXING</h4> <p>Use sand and aggregates that conform to relevant standards. Accurately measure all materials with a suitable container, wheelbarrow or bucket. Mix thoroughly until a uniform color is obtained.</p>
	<h4>WATER</h4> <p>Use clean water without impurities (e.g salts, grass, mud etc) for mixing concrete or mortar. Use the minimum amount of water required to make the mix workable. The use of excess water will reduce the concrete or mortar strength.</p>
	<h4>CURING</h4> <p>Keep concrete plaster moist for at least 7 days to prevent cracking and to ensure increase in strength. Spray gently with water or protect it with plastic sheets, wet hessian or moist sand.</p>

Health and safety /Environmental advisory



When working with cement wear safety glasses and gloves.



Wash you hands afterworking with wet cement.



In the event of cement contact with eyes, rinse thoroughly with water and get medical attention if necessary. Keep cement out of reach of children.



Do not litter, dispose in a designated dustbin.



Packaging can be reused or recycled.



Do not burn, burning plastics affects the environment.