



Our Vision

To be the preferred provider of cement and concrete based building solutions in East Africa with a strong focus on customer experience.

About Us

Hima Cement Limited is a subsidiary of East Africa's leading cement producer, Bamburi Cement Limited, and a member of the world's largest building materials producer LafargeHolcim.

The Company manufactures ordinary portland cement and pozzolanic portland cement under stringent quality controls in line with both Uganda National Bureau of Standards and EN (European Norms) standard specifications providing a quality reliable product to its customers.

Hima Cement products are sold in both Uganda and the neighbouring Rwanda, Democratic Republic of Congo, Burundi and Southern Sudan. The Company is committed to the protection of the environment and the welfare of the community and engages in various community relations programmes and environmental rehabilitation efforts.

HIMA CEMENT LIMITED

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**WHEN YOU NEED GREATER
STRENGTH, BUILD WITH
POWERMAX CEM II/A-P 42.5N.**



POWERMAX CEM II/A-P 42,5N

General

POWERMAX 42.5N is an innovative versatile cement that combines excellent strength, consistent performance at all stages as well as assured long-term durability for concrete applications.

POWERMAX 42.5N is strategically designed as a modern cement that addresses the demands of today's construction sector for buildings and structures that will outlast generations to come.

The characteristics of superior workability, unparalleled concrete strength as well as value for money make **POWERMAX 42.5N** the best cement choice for a wide range of concrete applications.

Composition and Conformance

POWERMAX 42.5N is produced using locally manufactured clinker which is inter-ground with pozzolana and gypsum using our world class facilities in Hima, Kasese district.

The product is produced under strict quality control processes under the supervision of Hima's quality engineers that ensure consistent unrivalled performance for every bag that reaches our customers.

POWERMAX is manufactured under guidance from the Uganda National Bureau of Standards and conforms to the Uganda/East African Cement Standard (US 310-1:2016/EAS 18-1:2016) replicated from the European Standard EN 197.



US 310-1:2001



Technical Data

POWERMAX 42,5 meets all applicable physical and chemical requirements of the cement standard as per data below.

Physical Properties	
Properties	Standard Requirement OS EAS 18 -1: 2016
2 day compressive strength	≥ 10 MPa
28 day compressive strength	≥ 42,5 MPa ≤ 62,5 MPa
Initial setting time	≥ 60 minutes
Soundness (expansion)	≤ 10,0 mm
Chemical Properties	
SO ₃	≤ 3,5 %
Specific gravity	2,8 - 3,1
Boiling / Melting point	>1000° C
Freezing point	None, solid
Viscosity	None, solid
pH	pH of wet cement 12 - 14
Chemical Composition Principal Chemical Constituents	
Tri-Calcium Silicate	(3CaO.SiO ₂)
Di-Calcium Silicate	(2CaO.SiO ₂)
Tri-Calcium Aluminate	(3CaO.AI ₂ O ₃)
Tetra-Calcium Aluminoferrite	(4CaO.AI ₂ O ₃ .2Fe ₂ O ₃)

Attributes

POWERMAX 42.5N brings about characteristics of:

- High long term strength (up to 50 mPa at 28 days).
- Consistent concrete performance – easy to optimize mix designs.
- Flowable concrete easy to pump and place.
- Prevention of bleeding and shrinkage cracking in concrete (due to the fine formulation).
- Dense impermeable concrete leading to protection of internal reinforcement from rust and carbonation tendencies.
- Durable structures.

Applications

POWERMAX offers cost effective solutions to the changing trends in the construction industry, meeting the needs of specialized as well as ordinary applications.

- High strength concrete requirements (from C25 to C40).
- For mass concrete applications where low heat concrete is required.
- Foundation works for high rise structures.
- Special construction needs like dams, bridges, commercial structures, tunnels & water channels.
- Shotcrete applications.