



## 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.



## Our Vision

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

### HIMA CEMENT LIMITED

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**FOR STRONGER, LASTING  
STRUCTURES, BUILD WITH  
POWERCRETE CEM I 52.5.**



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

# POWERCRETE CEM I 52.5

## General

**POWERCRETE 52.5** is the highest **52.5** strength grade cement in the East Africa market. Powercrete is setting the standard for cement and is especially ideal for high strength concrete applications such as concrete rail sleepers, prestressed concrete, skyscraper foundations, precast slabs and beams, bridges, overpasses, windmill structures as well as heavy duty industrial floors.

## Composition and Conformance

**POWERCRETE 52.5** is produced out of the Hima Cement factory in Kasese and is specially designed to meet the stringent durability requirements of both the Uganda and China Cement Standards (US 310-1: 2016 and GB 175).

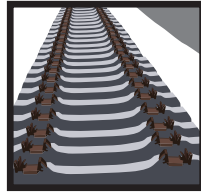
**POWERCRETE** is manufactured out of carefully selected high quality raw materials like limestone, bauxite, high grade sand and gypsum.

## Benefits

- Highest early and 28 day strength (more than 56 mPa).
- Less cement usage per cubic meter of concrete for equivalent classes.
- High flexural and tensile strength.
- Reduced expansion during application (due to low free lime content less than 1.0%).
- Low alkali cement (Na<sub>2</sub>O equivalent less than 0.6% to prevent alkali aggregate reaction).
- Low tricalcium aluminate content (C<sub>3</sub>A less than 8.0%) to prevent sulphate attack in concrete.

## Applications

- Rail sleepers and windmill foundations.
- Bridges and high rise buildings.
- Prestressed beams and elements.
- Centrifugally spun precast concrete poles and pipes.
- Overpasses, viaducts/flyovers.
- Self compacting concrete.
- High strength concrete for columns and suspended slabs.



Railway sleepers



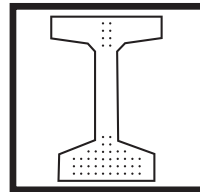
Windmill foundations



Bridges



High rise buildings



Prestressed beams and elements



US 310-1:2001

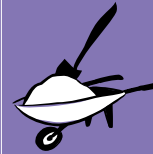


## Storage & Usage information



### STORAGE

Store bagged cement by stacking on raised timber platforms or plastic sheeting to prevent rising dampness. Avoid contact with external walls. Use the cement in the order you have received it i.e first in first out.



### MIXING

Accurately measure all materials with a suitable container (wheelbarrow or bucket). Mix thoroughly until a uniform colour is obtained. Add water whilst mixing but avoid adding too much water.



### WATER

In general, the more water used for a given quantity of cement, the weaker the concrete or mortar will be. It is therefore important to use the minimum amount of water required to make the mix workable.



### CURING

Concrete or plaster should be kept moist for atleast 7 days to ensure that its strength increases. Spray gently with water or protect it with plastic sheets (or wet hessian) to prevent it from drying out.

## HEALTH AND SAFETY WARNING



- When working with cement wear safety glasses and gloves.
- Wash your hands after working with wet cement.
- Wear a dust mask.
- Wear a safety helmet.
- 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.