



PRODUCT TECHNICAL DATA SHEET

ELEPHANT CLASSIC CEM II 32.5N

Ewekoro Plant

Product Description

Elephant classic cement is a Portland-limestone cement product manufactured in accordance with, and certified to BS EN 197-1 and NIS 444-1. This product is marketed as CEM II /B-L 32.5N. Elephant Classic cement is symbolized by the strength of an Elephant, it is a solution for the general construction industry with brand impeccable standard that resonates with quality, durability and reliability.

Composition

In compliance with the chemical composition requirements specified in BS EN 197- 1 the product has a clinker content ranging between 65 and 79 by cement mass, limestone addition content ranging between 21 and 35 by cement mass and less than 5% of cement mass of calcium sulphate (gypsum).

Standard Requirements (BS EN 197-1)

Chemical Requirements

Magnesium Oxide (MgO)	≤ 5
Sulphates (SO ₃)	≤ 3.5
Chlorides (Cl ⁻)	< 0.1

Physical Requirements

Initial Setting Time (IST)	≥ 75 mins
Soundness	≤ 10 mm

Mechanical Requirements

Compressive Strength	7 days	≥ 16 MPa
	28 days	≥ 32.5 MPa

Applications

Elephant classic cement is typically delivered in 50Kg bags for convenience and ease of handling. This versatile product offers a reliable quality, high performance solutions to the requirements of a wide range applications, namely:

- Home Concrete work such as foundations and garden paths
- Medium Strength Concrete for drive ways, unreinforced light industrial floors and mass concrete
- Canal precast element
- Masonry work: Mortar and Plaster
- Brick and block making
- Reinforced concrete
- Suspended Slabs

Advantage

The **ELEPHANT CLASSIC** advantage includes:

- Superior workability
- Enhanced durability
- Reduced bleeding
- Availability
- Improved Cohesion
- Smoother Surface Finish
- Environmentally Friendly Cement

Storage Condition / Shelf-Life

Minimum of 6 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +15°C and +35°C. Protect from direct sunlight and humidity.

Health, Safety & Environment

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

Use proper engineering controls, work practices, and personal protective equipment to prevent exposure to wet or dry Elephant classic Cement.

The use of basic PPE like hand gloves, nose mask, safety glasses and safety shoes are very important.

Packaging

Available in 50Kg bag and 30 tons bulk tanker.

For professional use only, the user is advised to conduct tests and assessments in order to define the suitability of the product for the intended application.

For Information:

Technical Assistance

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