



# PRODUCT TECHNICAL DATA SHEET

## ECOPLANET CLASSIC CEM II 32.5R

### Mfamosing Plant

#### Product Description

ECOPlanet 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 32.5R.

ECOPlanet UniCem is a green multipurpose cement that offers at least 30% lower carbon footprint with no compromise on performance. The CO<sub>2</sub> reduction calculation follows an EPD methodology of measuring scopes 1, 2 & 3.

ECOPlanet UniCem has tracked record of quality, consistency and exhibit excellent strength performance at all ages.

#### 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 <sub>3</sub> )	≤ 3.5
Chlorides (Cl <sup>-</sup> )	< 0.1

#### Physical Requirements

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

#### Mechanical Requirements

Compressive Strength	2 days	≥ 10 MPa
	28 days	≥ 32.5 MPa

## Applications

ECOPlanet UniCem a high performance sustainable cement for greener future that is suitable for various range of application.

- Small to medium residential and commercial building
- All concreting structural element application like columns, suspension slab, beams
- Medium strength concrete for drive ways, unreinforced light industrial floors and mass concrete
- Masonry work: Mortar and Plaster
- On-site block-making

## Advantage

The **ECOPLANET UNICEM** advantage includes:

- Good strength at all ages
- Boost a minimum of 30% reduced carbon footprint
- Lower heat of hydration (reduced cracking)
- High workability
- Good water retention
- Environmentally friendly

## 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

Use proper engineering controls, work practices, and personal protective equipment to prevent exposure to wet or dry ECOPlanet UniCem 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

*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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