

TECHNICAL DATA SHEET

CEM II/B-M (LL-Z-V) 42.5N-TU

Definition

The Kolos CEM II/B-M (LL-Z-V) 42.5N-TU cement is a Portland Composite cement which consists of:

- 65-79% of clinker
- 21-35% main constituents
- 0-5% additional minor constituents

The cement conforms to the Mauritian Standard MS 36-3.

Mechanical Characteristics

Compressive Strength (MPa) (EN 196-1)	Typical Value	Requirement
2 days	18	≥ 10
7 days	35	
28 days	49	$\geq 42.5 \leq 62.5$
Initial Setting Time (min) (EN 196-3)		
	165	≥ 60
Soundness (Expansion) (mm) (EN 196-3)		
	1	≤ 10

Chemical Characteristics

Sulfate Content (SO ₃) (%) (EN 196-2)		
	1.6	≤ 3.5
Chloride Content (%) (EN 196-2)		
	0.014	≤ 0.1

General Recommendations

- Respect dosages and refer to the instructions on the packaging.
- Avoid prolonged contact with the skin and wear appropriate protective gloves and safety glasses.
- Keep out of reach of children.

Cement Uses

It is recommended to use the cement within 30 days after production date that appears on the edge of the bag. It is also recommended to have a proper stock management in order to avoid dead stock.









Storage

- The cement bags must be stored on pallets. They must not be in contact with the ground in order to avoid upwelling of water by capillarity.
- The bags must be stored in a dry environment and protected from humidity and rain.
- By keeping your bags of cement from rain and moisture, you will retain their quality.




Applications

FOR BUILDING WORKS

 General masonry	 Walls & other facades plastering	 Concrete preparation for reinforced or non reinforced elevations
 Ceilings	 Floor tiling	 Frequent structural works
 Screeds	 Walls structuring & mounting	

FOR ROAD WORKS

 Soil stabilization	 Preparation of gravel cement
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