

# TECHNICAL DATA SHEET

## CEM II/A-LL 42.5N

### Definition

The Holos Plus CEM II/A-LL 42.5N cement is a Portland composite cement which consists of:

- 80-94% of clinker
- 6-20% of limestone
- 0-5% additional minor constituents

The cement conforms with the Mauritian Standard MS EN 197-1

### Mechanical Characteristics

| Compressive Strength (MPa) (EN 196-1) | Typical Value | Requirement           |
|---------------------------------------|---------------|-----------------------|
| 2 days                                | 21            | $\geq 10$             |
| 7 days                                | 43            |                       |
| 28 days                               | 55            | $\geq 42.5 \leq 62.5$ |
| Initial Setting Time (min) (EN 196-3) |               |                       |
|                                       | 143           | $\geq 60$             |
| Soundness (Expansion) (mm) (EN 196-3) |               |                       |
|                                       | 0.5           | $\leq 10$             |

### Chemical Characteristics

|   |       |            |
|---|-------|------------|
| Sulfate Content (SO <sub>3</sub> ) (%) (EN 196-2) |       |            |
|   | 1.96  | $\leq 3.5$ |
| Chloride Content (%) (EN 196-2)                   |       |            |
|   | 0.007 | $\leq 0.1$ |

### 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 bags of cement 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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