



BLM VISHNU CHAKRA

Manufactured By :-

BLM CEMENTS

Unit of BHARATH LAJHNA MULTI STATE HOUSING CO-OPERATIVE SOCIETY LTD.,

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BLM CEMENT



**BLM
VISHNU CHAKRA**

PORTLAND

POZZOLANA

CEMENT



**EuroTech
CEMENT**



Cementing our Bonds Together

About **“BLM VISHNU CHAKRA / BLM CEMENT / EUROTECH CEMENT- PPC**

Our Cement is a fly ash based cement that complies with IS1489:PART1:2015. It is manufactured using high strength Ordinary Portland Cement (OPC) blended with a selection of high quality fly ash (Strength Improver).

Advantage **“BLM VISHNU CHAKRA / BLM CEMENT / EUROTECH CEMENT- PPC**

1. The Strength of our PPC Cement is better than OPC in Long term with proper curing.
2. Our PPC Morter is easier to pour, has lower permeability and resists alkali - silica reaction which results in a longer service life.
3. Structures built with our Cement gains its strength even beyond 28 days. This superior characteristics is not so pronounced in OPC. It shows the reliability and stability of the structure.
4. The small size and the glassy texture of fly ash in our brand makes it possible to reduce the amount of water required for a given consistency.
5. Heat of Hydration is lower than OPC, So, our cement can be used in plastering, it eliminates surface cracks.
6. Our PPC gives better surface finish, it is used in decorative and art structures.
7. Our PPC reduces damage to environment due to less pollution
8. Our PPC is economical and stronger than OPC cement.

Typical Physical Properties

Physical Characteristics	Units	Requirements of IS: 1489 (Part I)	BLM VISHNU CHAKRA
Fineness of Cement Sp. Surface blaine	m ² /kg	300 minimum	361
Soundness Le-Chatelier Expansion Autoclave Expansion	mm %	10 maximum 0.8 maximum	<2.0 <0.1
Setting Time Initial setting time Final setting time	Minutes Minutes	Not less than 30 Not more than 600	120 180
Compressive Strength At 3 days At 7 days At 28 days	Mpa Mpa Mpa	16 minimum 22 minimum 33 minimum	20 ±2 31 ±2 42 ±2

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No:1 in Quality

Typical Chemical Properties

Chemical Characteristics (Units % by mass)	Requirement of IS 1489 (Part I)	BLM VISHNU CHAKRA
Loss on ignition	5.0 maximum	2%
Insoluble Residue $X + \frac{4(100-X)}{100}$ Where X is the declared % of fly ash in the PPC sample	maximum	Max 21% Min 16.2 %
Sulphuric Anhydride (So₂)	3.5 maximum	1.75 %
Magnesia (MgO)	6.0 maximum	3.00
Total Chloride (Cl)	0.1 maximum	< 0.01