OPC 53 GRADE

BLM
VISHNU CHAKRA

Manufactured By :-

BLM CEMENTS

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

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BLM VISHNU CHAKRA CEMENT

BLM CEMENT

MAHA GOLD CEMENT

ORDINARY PORTLAND CEMENT
OPC 53 GRADE

Cementing our Bonds Together

About "BLM VISHNU CHAKRA - ORDINARY PORTLAND CEMENT OPC 53 GRADE

BLM Vishnu Chakra Ordinary Portland Cement (OPC) 53 Grade is manufactured as per IS 269 : 2015 using best Clinker, Grinding with Gypsum and High quality Fly Ash (Strength improver).

Advantages of "BLM VISHNU CHAKRA / BLM CEMENT / MAHA GOLD CEMENT- OPC

1. High compressive strenth in the early stages.
2. The curing period of OPC is less than that of PPC. Hence recommended where curing cost prohibited.
3. OPC is used in all types of ordinary construction.
4. Easy to handle and set if compared to the rest of the types of cement. No special skill set is required for setting it.
5. Recommended for all types of RCC structures, Concrete blocks, Paver blocks and more.
6. The process of hydration hardens the structure made up of OPC. More the water is poured on the surface of the cement, the harder the structure will be.
7. It is Sulfate resistant.
8. Our OPC is economical and stronger than other cements.

Typical Physical Properties

Physical Characterstics	Units	Requirements of IS: 269 : 2015	Test Results
Fineness of Cement			
Sp. Surface blaine	m^2/kg	225 minimum	310
Soundness			
Le-Chatelier Expansion	mm	10 maximum	1.0
Autoclave Expansion	%	0.5 maximum	0.07
Setting Time			
Initial setting time	Minutes	30 min	175
Final setting time	Minutes	600 max	375
Compressive Strength			
At 3 days	Mpa	Mininum 27	32.35
At 7 days	Mpa	Mininum 37	42.35
At 28 days	Mpa	Mininum 53	54.25

BLM VISHNU CHAKRA

BLM CEMENT

MAHA GOLD CEMENT

No:1 in Quality

Typical Chemical Properties

Chemical Characteristics (Units % by mass)	Requirement as per IS 269 : 2015	Test Results
LSF = $\frac{CaO - 0.7*SO_1}{(2.8\ SiO_2 + 1.2\ Al_2O_3 + 0.65\ Fe_2O_3)}$	0.80 to 1.02 (Max)	0.98
AM = $\left[\frac{Al_2O_3}{Fe_2O_3}\right]$	0.66 minimum	1.12
Loss on ignition	4.0 maximum	1
Insoluble Residue (% by mass)	5.0 maximum	2
Sulphurous Anhydride (SO_2)	3.5 maximum	2.14
Magnesia (MgO)	6.0 maximum	1.82
Total Chloride (Cl)	0.1 maximum	0.007