DOUBLE BULL CEMENT

NUVOCO Shaping a new world

DOUBLE BULL
MASTER PREMIUM PPC

Double Bull Cement Master is a premium variant of Portland Pozzolana Cement and comes in laminated packaging. Master is produced from the best quality clinker along with fly ash and gypsum, and is engineered with our signature Ummeed Se Zyada strength and optimum setting to provide key benefits of Super Performance, Super Durability, Super Setting and Super Strength. Additionally, the moisture-resistant lamination of Master offers benefits like tamper-proof packaging and assured weight of 50 kgs. in every bag.



APPLICATIONS:

- Perfect for all residential constructions like houses, high-rise buildings and infrastructure and projects involving roads, highways, flyovers, bridges, culverts, etc.
- Mass concrete projects like dams and foundations
- Sewage and effluent treatment plants
- It's more cohesive, durable and suited for RCC work of any type

ADVANTAGES:



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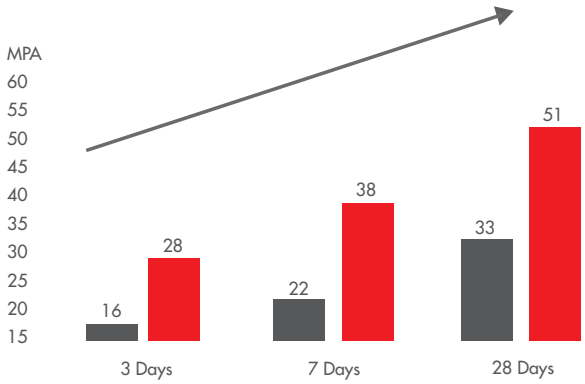
MAZBOOTI

UMMEED SE ZYADA

BIS Requirement Double Bull Test Finding

COMPRESSIVE STRENGTH:

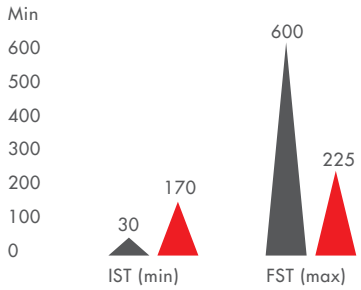
The maximum load the cement mortar can sustain without fracture.



Compressive strength mein 60% behtar.

SETTING TIME:

The period in which the cement goes from fluid to solid.



Setting time mein behtar workability.

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IS 1489 (Part 1) 2015

CM/L 5710035910

NU VISTA LIMITED

(Formerly Emami Cement Limited)

PANAGARH CEMENT WORKS

An ISO 9001:2015,14001:2015 & 18001:2007 Certified Unit

Address :- Plot No-B5A,B6,B8 & B5B/A Panagarh Industrial Park of WBIDC Block – Aushgram II, Village Kota Dist: Purba Bardhaman, West Bengal 713148

DOUBLE BULL CEMENT Mazbooti Ummeed Se Zyada

TEST CERTIFICATE

PORTLAND POZZOLANA CEMENT (MASTER)

Date of Issue : 9th July 2020

Sample Description : W22 M05 Y2020

Despatch Period : 27th May 2020 to 02nd June 2020

S.No.	Test Carried Out	Requirement as Per IS: 1489 (Part-1)- 2015	Result Obtained
	CHEMICAL TESTING		
1	Total Loss on Ignition (% by mass)	5.0 % Max	**2.07**
	Magnesia (% by mass)	6.0 % Max	**2.58**
	Sulphuric Anhydride (% by mass)	3.50 % Max	**3.19**
	Chloride (% by mass)	0.10 % Max	**0.002**
	Insoluble Residue (% by mass)	Maxmium X + (4.0 (100-X) / 100) Minmium 0.6X Where "X" is the declared % of Fly Ash in given Portland Pozzolana Cement.	**35.71**
	PHYSICAL TESTING		
2	**Fineness**		
	Specific Surface (m^2 / Kg)	Minimum 300	**391**
3	**Normal Consistency (%)**	-	**32.00**
4	**Setting Time (minutes)**		
	a) Initial	Minimum 30	**160**
	b) Final	Maximum 600	**225**
5	**Soundness**		
	a) Le-Chatlier Expansion (mm)	Maximum 10	**0.50**
	b) Autoclave Expansion (%)	Maximum 0.8	**0.04**
6	**Compressive Strength (Mpa)**		
	a. 24.0 hr. (1 day)	NA	**17.3**
	b. 72 +/- 1 hr. (3 days)	Minimum 16	**33.0**
	c. 168 +/- 2 hr.(7 days)	Minimum 22	**42.2**
	d. 672 +/- 4hr. (28 days)	Minimum 33	**57.10**
7	**Drying Shrinkage (%)**	Maximum 0.15	**0.06**
8	**Fly Ash in Cement (%)**	Minimum15 % and Maximum 35 %	**35.0**

Environment condition during test , Temperature =27±2°C and RH >65%

The above cement complies with the requirements of IS 1489 (Part-1) : 2015 for Portland Pozzolana Cement (Flyash Based)

Prepared by

Authorised Signatory

Regd. Office : Acropolis, 15th Floor, 1858/1, Rajdanga Main Road, Kasba, Kolkata – 700107, West Bengal, India. Tel: (033) 6627 1301
Corporate Office: 687 Anandapur, E.M. Bypass, Kolkata - 700107. Tel: (033) 66136264 CIN: U26940WB2007PLC116503

www.nuvoco.com

customer.care@doublebullcement.com

1800 1022 008

Mazbooti Ummeed Se Zyada