



**DOUBLE
BULL
CEMENT**



DOUBLE BULL OPC-43 GRADE

Double Bull Ordinary Portland Cement (OPC-43) is a specially designed multipurpose cement which ensures strength and durability of structures.



APPLICATIONS:

- Specialised construction work like bridges, highways, flyovers, culverts, buildings, slip formwork
- All type of planned and RCC work
- Suitable for constructing houses, high-rise buildings, roads, etc.
- For high strength concrete using different mix designs
- Suitable for pre-stressed pipes/poles
- All types of specialised concrete repair work like grouting
- Asbestos cement sheet manufacturing

ADVANTAGES:



Optimum Cement
Consumption in
Mix Designs



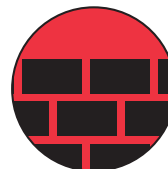
Better Workability



Better Cohesiveness



Long Term Durability
for the Concrete



Faster Rate
of Construction



Superior Surface Finish

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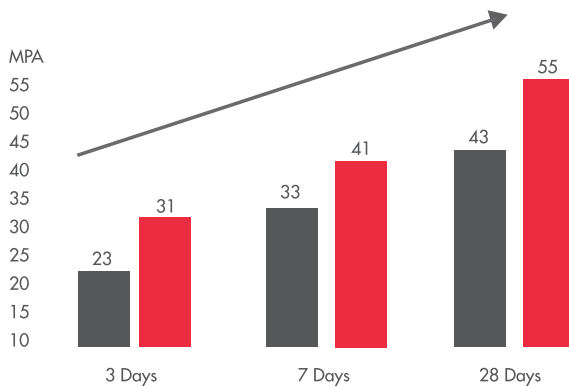
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■ BIS Requirement

■ Double Bull Test Finding

COMPRESSIVE STRENGTH:

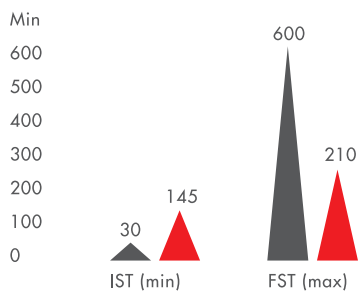
The maximum load the cement mortar can sustain without fracture.



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 269 : 2015		NU VISTA LIMITED	
		(Formerly Emami Cement Limited)	
CM/L 5710038411		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			
TEST CERTIFICATE			
ORDINARY PORTLAND CEMENT - 43 Grade			
Date of Issue : 9th July 2020			
Sample Description : W23 M06 Y2020		Despatch Period : 03rd June 2020 to 09th June 2020	
S.No.	Test Carried Out	Requirement as Per IS: 269-2015	Result Obtained
CHEMICAL TESTING			
1	Lime Saturation Factor	Not greater than 1.02 and not less than 0.66	0.86
	Ratio of % Alumina to that of Iron Oxide Al_2O_3 / Fe_2O_3	0.66 Minimum	1.54
	Total Loss on Ignition (% by mass)	5.0 Maximum	1.02
	Magnesia (% by mass)	6.0 Maximum	2.95
	Sulphuric Anhydride (% by mass)	3.5 Maximum	3.18
	Chloride (% by mass)	0.10 Maximum	0.008
	Insoluble Residue (% by mass)	5.0 Maximum	1.16
2	Specific Surface (Fineness) (m^2 / Kg)	225 Minimum	356
	Normal Consistency (%)	-	28.8
4	Setting Time (minutes)		
	a) Initial	30 Minimum	145
	b) Final	600 Maximum	195
5	Soundness		
	a) Le-Chatelier Expansion (mm)	10 Maximum	0.5
	b) Autoclave Expansion (%)	0.8 Maximum	0.09
6	Compressive Strength (Mpa)		
	a. 24 hr. (1day)	NA	24.1
	b. 72 +/- 1 hr. (3 days)	23 Minimum	35.4
	c. 168 +/- 2 hr. (7 days)	33 Minimum	45.3
	d. 672 +/- 4hr. (28 days) *	43 Minimum 58 Maximum	56.1
The above cement complies with the requirements of IS 269 : 2015 for 43 Grade Ordinary Portland Cement.			
Cement Used for Structure other than prestressed structure.			
No Performance Improver Added			
Cement Not Used for railway sleepers.			
			
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			

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