



**DOUBLE
BULL
CEMENT**



DOUBLE BULL

PORTLAND SLAG CEMENT (PSC)

Double Bull Portland Slag Cement (PSC) is specially designed and manufactured by intergrinding clinker with superior quality Ground Granulated Blast Furnace Slag (GGBFS) for even particle distribution to produce specialised cement, resistant to chemical ingress.



APPLICATIONS:

- All types of residential, commercial and industrial projects
- Suitable for construction of high-rise buildings and roads
- Most suitable for aggressive environments and marine construction
- Underground concrete
- Mass concrete projects like dams and foundations

ADVANTAGES:



Better chemical
resistance



Better finish



Improved workability



Compatible with
all type of mixtures

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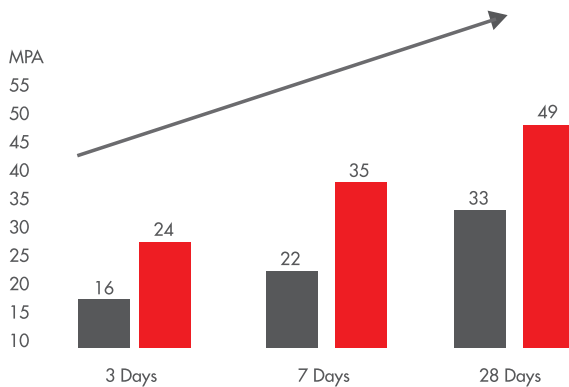


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■ BIS Requirement ■ Double Bull Test Finding

COMPRESSIVE STRENGTH:

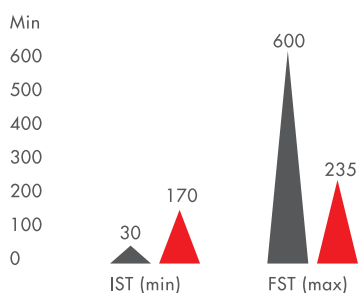
The maximum load the cement mortar can sustain without fracture.



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 455 CM/L 5710035708		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 SLAG CEMENT				
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: 455-2015	Result Obtained	
CHEMICAL TESTING				
1	Total Loss on Ignition (% by mass)	5.0 % Max	1.06	
	Magnesia (% by mass)	10.0 % Max	5.36	
	Sulphuric Anhydride(SO ₃) (% by mass)	3.50 % Max	3.19	
	Chloride (% by mass)	0.10 % Max	0.002	
	Sulphide Sulphur (S)	1.5% Max	0.44	
	Insoluble Residue (% by mass)	4.0% Max	1.19	
PHYSICAL TESTING				
2	Fineness			
	Specific Surface (m ² / Kg)	Minimum 225	358	
3	Normal Consistency (%)	-	28.50	
Setting Time (minutes)				
4	a) Initial	Minimum 30	155	
	b) Final	Maximum 600	220	
Soundness				
5	a) Le-Chatlier Expansion (mm)	Maximum 10	0.50	
	b) Autoclave Expansion (%)	Maximum 0.8	0.04	
Compressive Strength (Mpa)				
6	a. 24.0 hr. (1 day)	NA	12.6	
	b. 72 +/- 1 hr. (3 days)	Minimum 16	28.1	
	c. 168 +/- 2 hr.(7 days)	Minimum 22	40.8	
	d. 672 +/- 4 hr. (28 days)	Minimum 33	54.90	
7	Slag in Cement (%)	Minimum 25 % and Maximum 70 %	70.00	
Environment condition during test , Temperature =27±2°C and RH >65% The above cement complies with the requirements of IS 455 : 2015 for Portland Slag Cement. Cement Used for Structure other than prestressed structure.				
 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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