



PRODUCT SPECIFICATION

DESCRIPTION	BIS SPECIFICATION	WONDER CEMENT SPECIFICATION
	PPC GRADE (As per IS 1489:1991,Part-1)	PPC GRADE
(A) CHEMICAL REQUIREMENTS		
Loss On Ignition (%)	5.0 Max	3.0 Max
Insoluble Residue (%)	$x*+ 4.0(100-x)/100$	32.0 Max
Sulphuric Anhydried (%)	3.0 Max	2.7 Max
Magnesia (%)	6.0 Max	1.5 Max
Chloride Content (%)	0.1 Max	0.02 Max
(B) PHYSICAL REQUIREMENTS		
Fineness (m ² /kg.)	300 Min	350 Min
Soundness		
Le- Chatelier (mm)	10 Max	1 Max
Autoclave (%)	0.8 Max	0.03 Max
Setting Time (minutes)		
Initial	30 Min	130 Min
Final	600 Max	280 Max
Compressive Strength (MPa)		
3 Days (72 ± 1 h)	16 Min	30 Min
7 Days (168 ± 2 h)	22 Min	39 Min
28 Days (672 ± 4 h)	33 Min	55 Min
Drying Shrinkage (%)	0.15 Max	0.03 Max

Where x is the declared percentage of flyash in given Portland Pozzolana Cement