

IS 1489  
(Part 1) : 1991



# Ambuja Cements Ltd.

(UNIT : PANVEL)

Moha Village, Tal. Panvel, Dist. Raigad 410306

## TEST CERTIFICATE

Date:22/09/15

For

Portland Pozzolana Cement Test & Compliance

Sr. No.	Characteristic	Requirement as per IS 1489 (Part-1) : 1991	Test Results
<b>CHEMICAL REQUIREMENTS</b>			
1.	Total Loss on Ignition (%)	5.0 (Max.)	2.17
2.	Insoluble Material (% by Mass) (Where X is the declared percentage of Flyash in the given P.P.C.)	$4.0 (100-X)$ $x + \frac{\quad}{100}$ (Max.)	26.52
<b>PHYSICAL REQUIREMENTS</b>			
1.	<b>Fineness</b> Specific Surface m <sup>2</sup> /kg.	300 (Min.)	409.8
2.	<b>Setting Time (Minutes)</b> (a) Initial (b) Final	30 (Min.) 600 (Max.)	145 205
3.	<b>Soundness</b> (a) By Le-chatelier Method (mm) (b) Auto Clave (%)	10 (Max.) 0.8 (Max.)	0.50 0.03
4.	<b>Compressive Strength in Mpa</b> (a) 72 ± 1h (3 days) (b) 168 ± 2h (7 days) (c) 672 ± 4h (28 days)	16 (Min.) 22 (Min.) 33 (Min.)	29.3 39.0 60.5

Declared percentage of Fly-ash in the given Portland Pozzolana Cement.

15 (Min.)  
35 (Max.)

30.1

Pozzolanic material used for the manufacture of P.P.C. conforms to relevant I.S. Specification.  
The Above cement complies with the requirements of IS 1489 (Part 1) : 1991 for Portland Pozzolana Cement.

Week No. : 37 / 2015

Authorised Signatory

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**Ambuja  
Cement**