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**KALBURGI CEMENT PVT. LTD.**Corporate Office: 8-2-626, Reliance Majestic Building, Road No. 10, Banjara Hills,  
Hyderabad – 500 034, A.P., India. Ph.: +91 40 3006999; Fax: +91 40 30006955**Works:** Chatrasala (V), Kharchkhed (Post) - 585 320, Chincholi (Tq.), Gulbarga Dist.

IS:1489 (Part-1)



CM/L :4596685

**TEST CERTIFICATE (PPC)****Product : VICAT - DURAMATE****Week No: 31****Despatched From : 30/7/2025 TO 5/8/2025**

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	336	Not less than 300
b. Normal Consistency (%)	31.75	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.50	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	145	Not less than 30
b. Final Setting Time (minutes)	250	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	24.14	Not less than 16
b. 7 days	Awaited	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.16	Not more than 35
<b>B. CHEMICAL REQUIREMENTS (as per IS:4032)</b>		
a. Insoluble Residue (%)	25.38	Max=(X+4*(100-X)/100) Min=0.6*X, X = Flyash addition (%)
b. Magnesia (%)	1.24	Not more than 6.0
c. Sulphuric Anhydride (%)	2.05	Not more than 3.5
d. Loss on Ignition (%)	1.92	Not more than 5.0
e. Alkali Content (%)	0.83	Not Specified
f. Temperature During Testing °C	27.60	27 ± 2

**Asst Manager-QC****HOD - QC**