



A Group Company
of Vicat, France

KALBURGI CEMENT PVT. LTD.



KALBURGI
CEMENT

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.; Ph. +91 08472 305999; Fax: +91 08472 305999

IS:1489 (Part-1)



CM/L-4596685

TEST CERTIFICATE

VICAT-DURAMATE

Despatched from: 24.09.2018 TO 30.09.2018

Week No: 39

| A. PHYSICAL REQUIREMENTS | RESULTS | As per IS 1489 (Part-1) 2015 |
|--|---------|------------------------------------|
| Fineness: | | |
| a. Specific Surface (m ² /kg) | 345 | Not less than 300 |
| b. Normal Consistency (%) | 32.00 | --- |
| Soundness: | | |
| a. By Le-Chatelier Method (mm) | 0.50 | Not more than 10 mm |
| b. By Autoclave (%) | 0.078 | Not more than 0.8 % |
| Setting Time: | | |
| a. Initial Setting Time (minutes) | 170 | Not less than 30 |
| b. Final Setting Time (minutes) | 275 | Not more than 600 |
| Compressive Strength (MPa) | | |
| a. 3 days | 25 | Not less than 16 |
| b. 7 days | 36 | Not less than 22 |
| c. 28 days | Awaited | Not less than 33 |
| d. Drying Shrinkage(%) | Awaited | Not more than 0.15 |
| e. Flyash Addition (%) | 33.56 | Not more than 35 |
| B. CHEMICAL REQUIREMENTS | | |
| a. Insoluble Residue (%) | 30.20 | $X+4(100-X)/100$; X = % of Flyash |
| b. Magnesia (%) | 0.94 | Not more than 6.0 |
| c. Sulphuric Anhydride (%) | 2.12 | Not more than 3.5 |
| d. Loss on Ignition (%) | 3.51 | Not more than 5.0 |
| e. Alkali Content (%) | 0.64 | Not more than 0.90 |
| f. Temperature During Testing(°C) | 27.00 | 27 ± 2 |

[Signature]

Section In-Charge (Q.C)

[Signature]

HOD (Q.C)