



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

### PPC GRADE

Despatched from: 15.10.2018 TO 21.10.2018

Week No: 42

| A. PHYSICAL REQUIREMENTS                 | RESULTS | As per IS 1489 (Part-1) 2015       |
|--|---------|------------------------------------|
| <b>Fineness:</b>                         |         |                                    |
| a. Specific Surface (m <sup>2</sup> /kg) | 347     | Not less than 300                  |
| b. Normal Consistency (%)                | 32.50   | ---                                |
| <b>Soundness:</b>                        |         |                                    |
| a. By Le-Chatelier Method (mm)           | 0.50    | Not more than 10 mm                |
| b. By Autoclave (%)                      | 0.064   | Not more than 0.8 %                |
| <b>Setting Time:</b>                     |         |                                    |
| a. Initial Setting Time (minutes)        | 185     | Not less than 30                   |
| b. Final Setting Time (minutes)          | 290     | Not more than 600                  |
| <b>Compressive Strength (MPa)</b>        |         |                                    |
| a. 3 days                                | 28.54   | Not less than 16                   |
| b. 7 days                                | 37.92   | Not less than 22                   |
| c. 28 days                               | Awaited | Not less than 33                   |
| d. Drying Shrinkage(%)                   | Awaited | Not more than 0.15                 |
| e. Flyash Addition (%)                   | 32.88   | Not more than 35                   |
| <b>B. CHEMICAL REQUIREMENTS</b>          |         |                                    |
| a. Insoluble Residue (%)                 | 29.59   | $X+4(100-X)/100$ ; X = % of Flyash |
| b. Magnesia (%)                          | 1.01    | Not more than 6.0                  |
| c. Sulphuric Anhydride (%)               | 2.06    | Not more than 3.5                  |
| d. Loss on Ignition (%)                  | 3.04    | Not more than 5.0                  |
| e. Alkali Content (%)                    | 0.63    | Not more than 0.90                 |
| f. Temperature During Testing(°C)        | 27.50   | 27 ± 2                             |

*[Signature]*

Section In-Charge (Q.C)

*[Signature]*

HOD (Q.C)