



KALBURGI CEMENT PVT. LTD.

IS:1489 (Part-1)

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Works :Chatrasala (V), Kharchkhed (Post) - 585 320, Chincholi (Tq.),Gulbarga Dist.

CM/L :4596685

TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 3

Despatched from: 13.01.2020 to 19.01.2020

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	344	Not less than 300
b. Normal Consistency (%)	32.50	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.066	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	175	Not less than 30
b. Final Setting Time (minutes)	270	Not more than 600
Compressive Strength (MPa)		
a. 3 days	25.88	Not less than 16
b. 7 days	37.26	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	31.98	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble Residue (%)	28.78	$X+4(100-X)/100$; X = % of Flyash
b. Magnesia (%)	1.06	Not more than 6.0
c. Sulphuric Anhydride (%)	2.18	Not more than 3.5
d. Loss on Ignition (%)	2.32	Not more than 5.0
e. Alkali Content (%)	0.60	Not more than 0.90
f. Temperature During Testing(°C)	27.00	27 ± 2

Section In-Charge (Q.C)

Authorised Signature