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IS:1489 (Part-1)



CM/L :4596685

TEST CERTIFICATE (PPC)**Product : VICAT - DURAMATE****Week No: 33****Despatched From : 13/8/2025 TO 19/8/2025**

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	338	Not less than 300
b. Normal Consistency (%)	31.75	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.25	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	150	Not less than 30
b. Final Setting Time (minutes)	260	Not more than 600
Compressive Strength (MPa)		
a. 3 days	24.22	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 (%)	29.70	Not more than 35
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Insoluble Residue (%)	25.49	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 (%)	2.11	Not more than 3.5
d. Loss on Ignition (%)	1.86	Not more than 5.0
e. Alkali Content (%)	0.85	Not Specified
f. Temperature During Testing °C	27.60	27 ± 2

Asst Manager-QC**HOD - QC**