



**Coromandel
Cement**

43 GRADE CEMENT

TEST CERTIFICATE

PERMITTED PERF. IMPROVERS ADDED : LIME STONE - 2% FLY ASH - 3%

WEEK NO. : **3/2017**

PARTICULARS

TEST RESULTS REQUIREMENT AS PER IS : 8112-2013

1. CHEMICAL

a. LOI	2.18	Not more than 5%
b. IR	2.00	Not more than 5%
c. So ₃	2.34	Not more than 3.5% for C ₃ A, less than 5% and 3.0% for C ₃ A more than 5%
d. MgO	1.14	Not more than 6.0%
e. A/F	1.23	Not less than 0.66
f. LSF	0.94	Between 0.66 and 1.02

2. PHYSICAL

a. Specific surface	292	Not less than 225 m ² /kg
b. Setting time		
Initial	140	Not less than 30 minutes
Final	260	Not more than 600 minutes
c. Soundness		
Le-chatelier	1.0	Not more than 10 mm
Autoclave	0.072	Not more than 0.8%
d. Compressive Strength		
a) 72±1hr. (3 days)	32	Not less than 23 MPa
b) 168±2hr. (7 days)	42	Not less than 33 MPa
c) 672±4hrs. (28 days)	UnderTesting	Not less than 43 MPa Not more than 58 Mpa

IS : 8112



THE INDIA CEMENTS LIMITED

AN ISO 9001-2008 CERTIFICATED COMPANY

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