



सत्यमेव जयते

भारत सरकार  
Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)  
National Test House (Eastern Region)

ब्लॉक - सीपी, सेक्टर - V, साल्ट लेक सीटी, कोलकाता - 700 091

Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091



TESTS CERTIFICATE

INTERIM / FINAL REPORT

ANNEXURE - I

Test Certificate No.	Date of Issue	Code No.	Page	No. of Pages
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As desired, the sample of approx. 18 mm thick stated to be Fibre Cement Board of approximate size 2000 mm x 1000 mm V Board of VISAKA make, was subjected to test in an Oil Fired Furnace at the premises of N.T.H. SALT LAKE with the observations furnished below.

The board was duly fixed at open end of the furnace covering all the surroundings gaps with fire resistant ceramic wool without any loading on the board. Thereafter, the temperature of furnace was gradually raised from ambient temperature to maximum temperature upto 986°C in a period of 92 minutes.

Observed performance of the specimen is detailed below.

Date of Testing of Sample : 15. 06. 2016  
Ambient Temperature of Furnace Room : 29 degree Celcius.

Time of firing, in minutes	Maximum Elevation of inside temperature of the furnace, in degree Celcius.	Average Maximum Temperature attained above ambient on the unexposed surface of the test specimen, in degree Celcius
5	548	51.5
10	638	54
15	730	69.8
30	815	95.1
60	930	118.4
90	976	139.2

Observed condition of test specimen during and after the test.

1. Practically no visible damage on the outer unexposed surface was observed during first 85 minutes of test period.
2. Some leakage of smoke was observed after 90<sup>th</sup> minute of the test period from the horizontal crack formed at the centre of the board. The leakage of smoke was intermediate with no sign of flame.
3. After the 92<sup>nd</sup> minute of testing, the crack extended through the board and flame of fire was observed through the gap formed due to the crack with sustained flaming for more than 10 seconds appeared on the unexposed face of the board. Thereby loss of integrity as per clause 6.2.3 of IS 3809 : 1979 was observed.

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Tested by

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