

**8. Result Summary**

The Acoustic enclosure insulated panel manufactured and supplied by **M/S. ESCON GENSETS PRIVATE LIMITED**, Bangalore, tested on 15.05.2024, resisted standard fire condition and fulfilled stability, integrity & insulation for 240 min as per **IS 3809: 1979** and **BS 476 part 22**. Hence the tested specimen is assigned for Two hundred forty minutes (240 minutes) fire resistance rating.

**Table 8** provides a detail of the test specimen. **Table 9** gives details of the supporting construction and **Table 10** provides summary of the test results.

**Table 8: Test specimen**

Item	Detail	Opening Direction
Panels	Acoustic enclosure insulated panel	NA

**Table 9: Specimens details:**

Item	Detail	
Panel Dimension	Width (mm)	3000 mm
	Height (mm)	3000 mm
	Thickness (mm)	125mm
Insulation	Rockwool density	96 kg/m <sup>3</sup>
	Calcium silicate board	12 mm
	Rockwool density	64 kg/m <sup>3</sup>
Panel joint profile	Z - type joints fastened with mild steel M8 fasteners.	

**Table 10: Summary of test results**

Item	Criteria	Results
Specimen number: <b>BFRC/DT- 9245</b>	Stability, Integrity, Insulation	240 minutes

The test results relate only to the samples tested.

The test was discontinued after (Two Hundred & Forty) 240minutes.

Reviewed By:

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**Technical Manager**

Building Fire Research Centre accredited by NABL for compliance with ISO/IEC 17025:2017 – Testing



Authorized By:

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**Head & Quality Manager**

Sample type:	Fire rated panels	Sample Receiving Date:	30-04-2024	Amend No:	NIL	Issue No: R0
Test report No:	BFRC/9245210524	Date of Test:	15-05-2024	Amend Date:	NIL	Page No: 9 of 12
Test Sponsored By:	ESCON GENSETS PRIVATE LIMITED	Report Issue Date:	21-05-2024	Amend Date:	NIL	

The Test Report is Prepared at BFRC, and test result and observations are limited to samples tested.