



中国认可
国际互认
检测
TESTING
CNAS L7877

TEST REPORT

No.: SDFTS25008205R02_EN

Date: Jan 13, 2026

Page 1 of 3

PDS GROUP AUSTRALIA PTY LTD

20 WRIGHT PI, ALGESTER QLD

Sample Description : COMPOSITE WALL PANEL

Product Specification : VARY SIZES

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : SZIN2512003424PL02

Sample Receiving Date : Dec 23, 2025

Testing Period : Dec 23, 2025 to Jan 06, 2026

Test Required : AS 5637.1:2015 Determination of fire hazard properties Part 1: Wall and ceiling linings, Prediction

And the test method was according to AS/NZS 3837:1998 + A1:2012 (R2016) Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter.

Test result(s) : See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Ada

Ada Liu
Approved signatory



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I. Sample details

Sample description	Panel
Thickness	7.8 mm
Density	7.28 kg/m ²
Test face	Any surface

II. Test conducted

The fire test was conducted in accordance with AS/NZS 3837:1998+A1:2012(R2016) Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter.

III. Test Result

To determine a group number of a material by prediction, the material was tested to AS/NZS 3837, and the prediction results as follows:

		1	2	3
Step 1: Determine time to 50 kW/m ² (t ₅₀)/s		30.6	33.6	30.5
Step 2: Calculate the ignitability index (I _{ig})		1.963	1.788	1.966
Step 3: Calculate the two HRR indices	I _{Q1}	7507.6	9534.8	8733.2
	I _{Q2}	1531.0	1618.4	1610.0
Step 4: Calculate the following three integral limits	I _{Q,10min}	5740	5835	5738
	I _{Q,2min}	2151	2180	2151
	I _{Q,12min}	1326	1355	1326
Group Number		3	3	3

IV. Conclusion

According to predicted flashover times requirements, the sample assigned as **Group Number 3**.

Average specific extinction area (ASEA) = 478.5 m²/ kg



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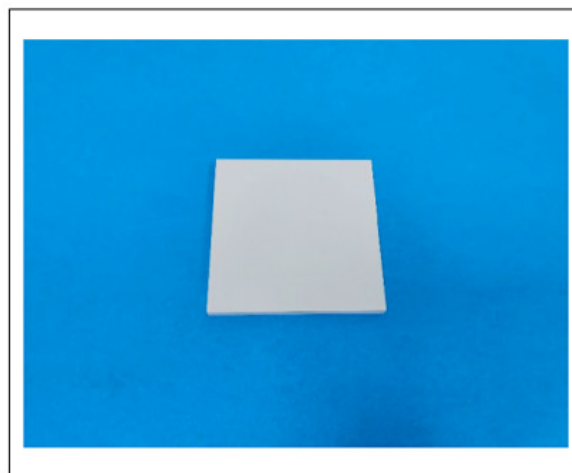
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Predicted flashover times requirements (According to AS 5637.1:2015 clause 8)

Integral limits	Predicted flashover time for each replicate	Group number
$I_{Q1} > I_{Q,10min}$ and $I_{Q2} > I_{Q,2min}$	Before 2 min	4
$I_{Q1} > I_{Q,10min}$ and $I_{Q2} \leq I_{Q,2min}$	Between 2 and 10 min	3
$I_{Q1} \leq I_{Q,10min}$ and $I_{Q2} > I_{Q,12min}$	Between 10 and 20 min	2
$I_{Q1} \leq I_{Q,10min}$ and $I_{Q2} \leq I_{Q,12min}$	No flashover within 20 min	1
Material fails to ignite or attain a heat release rate of 50 kW/m ²	No flashover within 20 min	1

Statement:

This report was valid to test the particular material or system in the cone calorimeter for the assignment of NCC group number.

Photo Appendix:


SGS authenticate the photo on original report only

Remark: This test report is issued based on the modification of the original No. SDFTS25008205R01_EN test report issued on Jan 06,2026. And the original report is still valid. According to applicant's requirements, following changes are included:

- Change of applicant's name.
- Change of applicant's address.

End of Report



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