

WOODEVO COMPOSITE DECKING
3 BASS CRT KEYSBOROUGH VIC 3173

Sample Description : WOODEVO WALL CLADDING

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No. : AJFS2308007110FF
 Sample Receiving Date : Aug 04, 2023
 Test Performing Date : Aug 04, 2023 to Aug 16, 2023
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release.	See attached sheet	/
For further details, please refer to the following page(s)			

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



Peter Zhao
Authorized Signatory

scan to see the report



SDHL2308013680HI



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I. Test conducted

This test was performed in accordance with AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release.

II. Sample details

Description	WoodEvo Wall Cladding (provided by client)
Color	Dark brown
Thickness	22.0mm
Density	14.3 kg/m ²
Specimen size	600mm×450mm
Test surface	Convex surface

	Temperature (°C)	Humidity (%)	Duration (d)
Conditioning	20±2°C	65±5%	7

Note: The specimens shall be conditioned to constant mass (see ISO 291).

Mounting or fixing method for test sample:

Using fibre-reinforced cement board as substrate, hold the sample and substrate against the specimen support frame by using the specimen clamping ring. Have horizontal joints in the specimens.

III. Test results

The mean values and standard errors:

Items	Mean value	Standard error
Ignition Time, (min)	NI	NA
Flame propagation time, (s)	NA	NA
Heat release integral, (Kj/m ²)	NA	NA
Maximum optical density, D (m ⁻¹)	Ignition specimen	---
	Non-ignition specimen	0.7704
Smoke release, lg D	Ignition specimen	---
	Non-ignition specimen	-0.1133

Note: NI—Not ignition; NA—Not applicable



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Note:

- 1) Where all specimens do not ignite, means and standard errors for smoke release shall be reported separately for those specimens that ignite and those that do not ignite. The higher of the two values shall be reported as the smoke released for the material or component.
- 2) Where all specimens do not ignite, indices for smoke developed shall be reported separately for those specimens that ignite and those specimens that do not ignite. The higher of the two values shall be reported as the smoke developed index for the product.

Regulatory Indices:

Items	Regulatory Indices
Ignitability index (Range 0 to 20)	0
Spread of flame index (Range 0 to 10)	0
Heat evolved index (Range 0 to 10)	0
Smoke developed index (Range 0 to 10)	7

Supplementary Observations:

- (a) Number of specimens tested: 6
- (b) The number of specimens that ignite: No
- (c) Where flashing was encountered, and ignition was based on a 10-second flash: No
- (d) The number of specimens did emit a radiation intensity rise of 1.4Kw/m²: No
- (e) Any observations of associated phenomena: No
- (f) Others: No



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Table 1 Indices for spread of flame

1.33 x mean flame propagation time, s		Index
≥270		0
≥240	<270	1
≥210	<240	2
≥180	<210	3
≥150	<180	4
≥120	<150	5
≥90	<120	6
≥60	<90	7
≥30	<60	8
≥10	<30	9
	<10	10

Table 2 Indices for heat evolved

Mean value of the integral from the radiation intensity curves Kj/m ²		Index
	<25	0
≥25	<50	1
≥50	<75	2
≥75	<100	3
≥100	<125	4
≥125	<150	5
≥150	<175	6
≥175	<200	7
≥200	<225	8
≥225	<250	9
≥250		10



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Table 3 Indices for smoke developed

Mean optical density, m ⁻¹				Index
Expressed in terms of K*		Expressed numerically		
	<K		<0.0082	0†
≥K	<2K	≥0.0082	<0.0164	1
≥2K	<2 ² K	≥0.0164	<0.0328	2
≥2 ² K	<2 ³ K	≥0.0328	<0.0656	3
≥2 ³ K	<2 ⁴ K	≥0.0656	<0.131	4
≥2 ⁴ K	<2 ⁵ K	≥0.131	<0.262	5
≥2 ⁵ K	<2 ⁶ K	≥0.262	<0.525	6
≥2 ⁶ K	<2 ⁷ K	≥0.525	<1.05	7
≥2 ⁷ K	<2 ⁸ K	≥1.05	<2.10	8
≥2 ⁸ K	<2 ⁹ K	≥2.10	<4.20	9
≥2 ⁹ K		≥4.20		10

* Where K is a constant = 0.0082

† Where doubt exists in the resolving of optical density below 0.016 m⁻¹ the index allotted should be '0 to 1'.

Statement:

- 1) The results only apply to the specimen mounted as described in this report.
- 2) The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.



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Photo Appendix:



Remark: This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch.

End of Report



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