

Test Report

Number: GZHH00641279

Applicant: DINO DECKING LTD.
UNIT 1 WETHERAL CLOSE, HINDLEY GREEN,
WN2 4HS

Date: May 13, 2026

Sample Description:

One (1) submitted sample said to be :

Item Name : **Dino Flush Composite Cladding**
Item No. : **EX-CC-*-4M**
Manufacturer : Huangshan Huasu New Material Science & Technology Co., Ltd
Date Sample Received : Apr 10, 2026
Testing Period : Apr 10, 2026 to May 06, 2026



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



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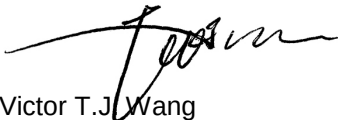
Test Report

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Conclusion:

<u>Tested sample</u>	<u>Test item</u>	<u>Result</u>
Submitted sample (Vertical)	Fire Classification Test on Dino Flush Composite Cladding - As per EN 13501-1: 2018	See test conducted
Submitted sample (Horizontal)	Fire Classification Test on Dino Flush Composite Cladding - As per EN 13501-1: 2018	See test conducted

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines


Victor T.J. Wang
General Manager



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Test Report

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Tests Conducted

1 Fire Classification Test on Dino Flush Composite Cladding

As per the client's requirement, the tested sample was subjected to the following tests.

Sample description: Dino Flush Composite Cladding

Sample mounting direction: Vertical

Initial inspection: Not any damage was found

Executive summary:

No.	Test item			Test method	Standard's requirement		Test result	Conclusion
1	Fire growth rate index (<i>FIGRA</i> _{0.4MJ})			EN 13823-2020+A1:2022	D	≤750 W/s	586W/s	Pass
2	Lateral flame spread (<i>LFS</i>)			EN 13823-2020+A1:2022		--	<edge of specimen	--
3	Total heat release within 600 s (<i>THR</i> _{600s})			EN 13823-2020+A1:2022		--	60.2 MJ	--
4	Flammability	Surface flame attack (Exposure = 30 s)	Flame spread within 60s	EN ISO 11925-2-2020		≤150 mm	≤150 mm	Pass
5	Smoke production	Smoke growth rate (<i>SMOGRA</i>)		EN 13823-2020+A1:2022	s1	<i>SMOGRA</i> ≤30 m ² /s ² <i>TSP</i> _{600s} ≤50 m ²	46.7 m ² /s ²	Class: s3
		s2	<i>SMOGRA</i> ≤180 m ² /s ² <i>TSP</i> _{600s} ≤200 m ²		326.8 m ²			
		Total smoke production within 600 s (<i>TSP</i> _{600s})				s3	Not s1 or s2	



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No.	Test item	Test method	Standard's requirement		Test result	Conclusion
6	Flaming droplets/particles	EN 13823-2020+A1:2022	d0	No flaming droplets/particles within 600 s	No flaming droplets /particles	Class: d0
			d1	No flaming droplets/particles persisting longer than 10 s within 600 s		
			d2	Not d0 or d1		
Conclusion	EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests : D—s3, d0					
Remark	1. Test sample is installed on the substrate by screw (test substrates is calcium silicate board, the density of 900 kg/m³ and thickness of 10mm). 2. The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. 3. This classification report does not represent type approval or certification of the product. The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.					



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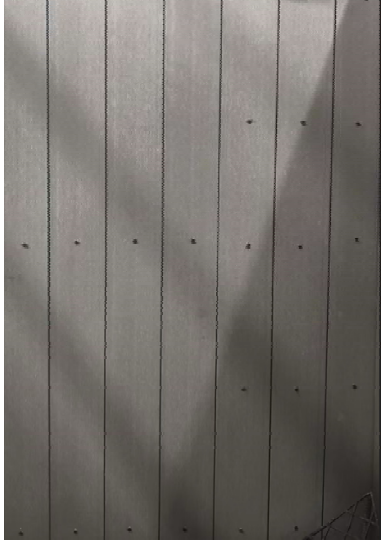
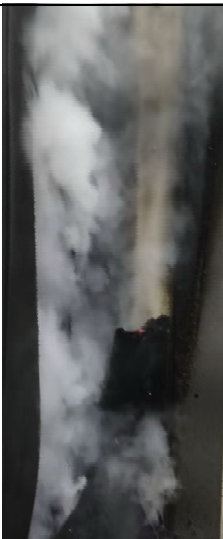
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Tests Conducted

Photo for reference

	
Before the test long wing	Before the test short wing
	
After testing long wing	After testing short wing



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Tests Conducted

Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	Test method(s)		Classification criteria	Additional classification
A1	EN ISO 1182 ^a and		$\Delta T \leq 30^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716		$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^{b c} and $PCS \leq 1.4\text{MJ/m}^2$ ^d and $PCS \leq 2.0\text{MJ/kg}$ ^e	-
A2	EN ISO 1182 ^a or	and	$\Delta T \leq 50^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$	-
	EN ISO 1716		$PCS \leq 3.0\text{MJ/kg}$ ^a and $PCS \leq 4.0\text{MJ/m}^2$ ^b and $PCS \leq 4.0\text{MJ/m}^2$ ^d and $PCS \leq 3.0\text{MJ/kg}$ ^e	-
	EN 13823		$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g



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Class	Test method(s)	Classification criteria	Additional classification
B	EN 13823 and	$FIGRA_{0.2MJ} \leq 120W/s$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure =30s	$F s \leq 150 \text{ mm within } 60 \text{ s}$	
C	EN 13823 and	$FIGRA_{0.4MJ} \leq 250W/s$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$Fs \leq 150mm \text{ within } 60 \text{ s}$	
D	EN 13823 and	$FIGRA_{0.4MJ} \leq 750W/s$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$Fs \leq 150mm \text{ within } 60 \text{ s}$	
E	EN ISO 11925-2 ⁱ Exposure =15s	$Fs \leq 150mm \text{ within } 20 \text{ s}$	flaming droplets/particles ^h
F	No performance determined		



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Class	Test method(s)	Classification criteria	Additional classification
	^a For homogeneous products and substantial components of non-homogeneous products. ^b For any external non-substantial component of non-homogeneous products. ^c Alternatively, any external non-substantial component having a $PCS \leq 2,0 \text{ MJ/m}^2$, provided that the product satisfies the following criteria of EN 13823: $FIGRA \leq 20 \text{ W/s}$, and $LFS < \text{edge of specimen}$, and $THR_{600s} \leq 4,0 \text{ MJ}$, and $s1$, and $d0$. ^d For any internal non-substantial component of non-homogeneous products. ^e For the product as a whole. ^f $s1 = SMOGRA \leq 30 \text{ m}^2/\text{s}^2$ and $TSP 600s \leq 50 \text{ m}^2/\text{s}^2$; $s2 = SMOGRA \leq 180 \text{ m}^2/\text{s}^2$ and $TSP 600s \leq 200 \text{ m}^2/\text{s}^2$; $s3 = \text{not } s1 \text{ or } s2$ ^g $d0 = \text{No flaming droplets/ particles in EN 13823 within 600 s}$; $d1 = \text{no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s}$; $d2 = \text{not } d0 \text{ or } d1$. Ignition of the paper in EN ISO 11925-2 results in a d2 classification. ^h Pass = no ignition of the paper (no classification); Fail = ignition of the paper (d2 classification). ⁱ Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.		



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Tests Conducted

2 Fire Classification Test on Dino Flush Composite Cladding

As per the client's requirement, the tested sample was subjected to the following tests.

Sample description: Dino Flush Composite Cladding

Sample mounting direction: Horizontal

Initial inspection: Not any damage was found

Executive summary:

No.	Test item			Test method	Standard's requirement		Test result	Conclusion
1	Fire growth rate index ($FIGRA_{0.4MJ}$)			EN 13823-2020+A1:2022	D	$\leq 750 \text{ W/s}$	486W/s	Pass
2	Lateral flame spread (LFS)			EN 13823-2020+A1:2022		--	< edge of specimen	--
3	Total heat release within 600 s (THR_{600s})			EN 13823-2020+A1:2022		--	40.9 MJ	--
4	Flammability	Surface flame attack (Exposure = 30 s)	Flame spread within 60s	EN ISO 11925-2-2020		$\leq 150 \text{ mm}$	$\leq 150 \text{ mm}$	Pass
5	Smoke production	Smoke growth rate ($SMOGRA$)		EN 13823-2020+A1:2022	s1	$SMOGRA \leq 30 \text{ m}^2/\text{s}^2$ $TSP_{600s} \leq 50 \text{ m}^2$	27.8 m^2/s^2	Class: s3
		s2	$SMOGRA \leq 180 \text{ m}^2/\text{s}^2$ $TSP_{600s} \leq 200 \text{ m}^2$		261.6 m^2			
		Total smoke production within 600 s (TSP_{600s})				s3	Not s1 or s2	



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No.	Test item	Test method	Standard's requirement		Test result	Conclusion
6	Flaming droplets/particles	EN 13823-2020+A1:2022	d0	No flaming droplets/particles within 600 s	No flaming droplets /particles	Class: d0
			d1	No flaming droplets/particles persisting longer than 10 s within 600 s		
			d2	Not d0 or d1		
Conclusion	EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests : D—s3, d0					
Remark	1. Test sample is installed on the substrate by screw (test substrates is calcium silicate board, the density of 900 kg/m³ and thickness of 10mm). 2. The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. 3. This classification report does not represent type approval or certification of the product. The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.					



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Tests Conducted

Photo for reference

	
Before the test long wing	Before the test short wing
	
After testing long wing	After testing short wing



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Tests Conducted

Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	Test method(s)		Classification criteria	Additional classification
A1	EN ISO 1182 ^a and		$\Delta T \leq 30^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716		$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^{b c} and $PCS \leq 1.4\text{MJ/m}^2$ ^d and $PCS \leq 2.0\text{MJ/kg}$ ^e	-
A2	EN ISO 1182 ^a or	and	$\Delta T \leq 50^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$	-
	EN ISO 1716		$PCS \leq 3.0\text{MJ/kg}$ ^a and $PCS \leq 4.0\text{MJ/m}^2$ ^b and $PCS \leq 4.0\text{MJ/m}^2$ ^d and $PCS \leq 3.0\text{MJ/kg}$ ^e	-
	EN 13823		$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g



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Class	Test method(s)	Classification criteria	Additional classification
B	EN 13823 and	$FIGRA_{0.2MJ} \leq 120W/s$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure =30s	$F s \leq 150 \text{ mm within } 60 \text{ s}$	
C	EN 13823 and	$FIGRA_{0.4MJ} \leq 250W/s$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$Fs \leq 150mm \text{ within } 60 \text{ s}$	
D	EN 13823 and	$FIGRA_{0.4MJ} \leq 750W/s$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure=30s	$Fs \leq 150mm \text{ within } 60 \text{ s}$	
E	EN ISO 11925-2 ⁱ Exposure =15s	$Fs \leq 150mm \text{ within } 20 \text{ s}$	flaming droplets/particles ^h
F	No performance determined		



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Class	Test method(s)	Classification criteria	Additional classification
^a For homogeneous products and substantial components of non-homogeneous products. ^b For any external non-substantial component of non-homogeneous products. ^c Alternatively, any external non-substantial component having a $PCS \leq 2,0 \text{ MJ/m}^2$, provided that the product satisfies the following criteria of EN 13823: $FIGRA \leq 20 \text{ W/s}$, and $LFS < \text{edge of specimen}$, and $THR_{600s} \leq 4,0 \text{ MJ}$, and $s1$, and $d0$. ^d For any internal non-substantial component of non-homogeneous products. ^e For the product as a whole. ^f $s1 = SMOGRA \leq 30 \text{ m}^2/\text{s}^2$ and $TSP 600s \leq 50 \text{ m}^2/\text{s}^2$; $s2 = SMOGRA \leq 180 \text{ m}^2/\text{s}^2$ and $TSP 600s \leq 200 \text{ m}^2/\text{s}^2$; $s3 = \text{not } s1 \text{ or } s2$ ^g $d0 = \text{No flaming droplets/ particles in EN 13823 within 600 s}$; $d1 = \text{no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s}$; $d2 = \text{not } d0 \text{ or } d1$. Ignition of the paper in EN ISO 11925-2 results in a $d2$ classification. ^h Pass = no ignition of the paper (no classification); Fail = ignition of the paper ($d2$ classification). ⁱ Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.			

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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