

**Test Report**

Number: GZHH00357615

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

Date: Apr 13, 2020


Sample Description:  
One (1) submitted sample said to be **Premium (Co-Extrusion) Composite decking**

Date Sample Received : Mar 30, 2020  
Testing Period : Mar 30, 2020 to Apr 13, 2020

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

<u>Tested sample</u>	<u>Test item</u>	<u>Result</u>
Submitted samples	Slip Resistance - Pendulum Test - As per CEN/TS 15676: 2007	See test conducted
	Fire Classification Test on Premium (Co-Extrusion) Composite decking - As per EN 13501-1: 2018	See test conducted

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

  
Victor T.J. Wang  
Assistant General Manager



D I N O  
D E C K I N G



## Test Report

Number: GZHH00357615

### Tests Conducted

1 Slip Resistance - Pendulum Test

As per CEN/TS 15676: 2007, the tested samples were subjected to the following tests.

Sample description: Premium (Co-Extrusion) Composite decking

Initial inspection: No any damage was found.

Executive summary:

Test item	Test parameter	Test result	
Slip Resistance - Pendulum Test	Test method: As per CEN/TS 15676:2007 Specimen: 250 × 91.5 mm Slider type: Four-S rubber Sliding length: 126mm (C scale) Testing Condition: Wet surface	Front side-X direction	42
		Front side-Y direction	34
		Back side-X direction	46
		Back side-Y direction	30

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Tests Conducted

2 Fire Classification Test on Premium (Co-Extrusion) Composite decking

As per EN 13501-1:2018, the tested samples were subjected to the following tests.

Sample description: Premium (Co-Extrusion) Composite decking

Initial inspection: No any damage was found

Executive summary:

No.	Test item		Test method	Standard's requirement	Test result	Conclusion
1	Critical heat flux		EN ISO 9239-1: 2010	$\geq 4.5 \text{ kW/m}^2$	5.3 kW/m <sup>2</sup>	Pass
2	Flammability	Surface flame attack (Exposure = 15 s)	EN ISO 11925-2:2010+AC: 2011	$\leq 150 \text{ mm}$	27mm	Pass
3	Smoke production		EN ISO 9239-1:2010	s1 $\leq 750\% \times \text{min}$ s2 Not s1	111.3 % × min n	Class: s1
Conclusion	<b>EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests : C<sub>fl</sub> - s1</b>					
Remark	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.					

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Tests Conducted

**Annex A**

Classes of reaction to fire performance for floorings

Class	Test method(s)	Classification criteria	Additional classification
A1 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> and	$\Delta T \leq 30 \text{ }^\circ\text{C}$ ; 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 $PCS \leq 2,0 \text{ MJ/kg}^b$ and $PCS \leq 1,4 \text{ MJ/m}^2^c$ and $PCS \leq 2,0 \text{ MJ/kg}^d$	-
A2 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> or	$\Delta T \leq 50 \text{ }^\circ\text{C}$ and $\Delta m \leq 50 \%$ and $t_f \leq 20 \text{ s}$	-
	EN ISO 1716 and	$PCS \leq 3,0 \text{ MJ/kg}^a$ and $PCS \leq 4,0 \text{ MJ/m}^2^b$ and $PCS \leq 4,0 \text{ MJ/m}^2^c$ and $PCS \leq 3,0 \text{ MJ/kg}^d$	-
	EN ISO 9239-1 <sup>e</sup>	Critical flux <sup>f</sup> $\geq 8,0 \text{ kW/m}^2$	Smoke production <sup>g</sup>
B <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 8,0 \text{ kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	-
C <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 4,5 \text{ kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	

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Class	Test method(s)	Classification criteria	Additional classification
D <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> ≥ 3,0 kW/m <sup>2</sup>	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	
E <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	
F <sub>fl</sub>	No performance determined		

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.  
<sup>b</sup> For any external non-substantial component of non-homogeneous products.  
<sup>c</sup> For any internal non-substantial component of non-homogeneous products.  
<sup>d</sup> For the product as a whole.  
<sup>e</sup> Test duration = 30 min.  
<sup>f</sup> Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).  
<sup>g</sup> **s1** = Smoke ≤ 750 % minutes;  
**s2** = not s1.  
<sup>h</sup> Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack

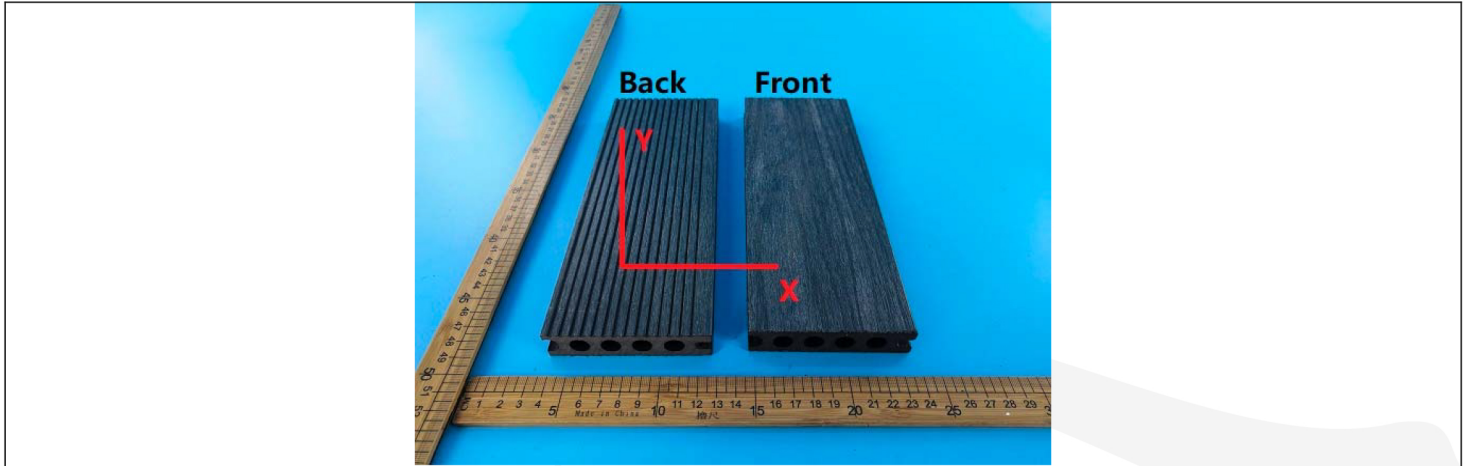
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Tests Conducted

**Photo for reference**



Original sample

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.*

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