

DECKAFENCE

TEST REPORT

SCOPE OF WORK

Premium decking

REPORT NUMBER

210425009SHF-001

TEST DATE(S)

2021-04-25 - 2021-05-11

ISSUE DATE

2021-05-11

PAGES

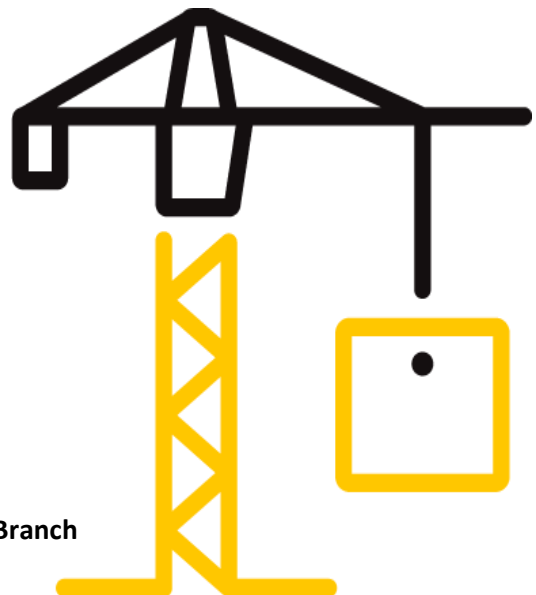
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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2021-05-11 Intertek Report No. 210425009SHF-001
 Applicant: DECKAFENCE
 Address: UNIT 4 LAUGHTONS FARM BRANDON RD HOUGHAM NG32 2AG, UNITED KINGDOM
 Attn: Nik Pietrzyk
 Test Type : Performance test, samples provided by the applicant.

Product Information

Product Name	Premium decking	Brand	/
Sample Description	Good Condition	Sample Amount	25 pcs
		Received Date	2021-04-25
Sample ID	Model	Specification	
S210425009SHF.003~004	140H25A	140x25 mm	

Test Methods And Standards

Test Standard	EN ISO 9239-1:2010 and EN ISO 11925-2:2020
Specification Standard	EN 13501-1:2018
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized

Sally
 Name: Sally Xie
 Title: Reviewer



Jay Gong
 Name: Jay Gong
 Title: Project Engineer



Test Report

Issue Date: 2021-05-11

Intertek Report No. 210425009SHF-001

Test Items, Method and Results:

EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1:2010. This test evaluates the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2:2020. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1:2018. The class B_{fl} with its corresponding fire performance is given in the table below.

Table - Classes of reaction to fire performance for flooring.

Class	Test Method(s)	Classification criteria	Additional classifications
B _{fl}	EN ISO 9239-1 ^a and	Critical flux ^b ≥ 8.0 kW/m ²	Smoke production ^c
	EN ISO 11925-2 ^d Exposure = 15 s	F _s ≤ 150 mm within 20 s	-

Note:

- a. Test duration = 30 min.
- b. 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 within 30 min).
- c. s1 = Smoke ≤ 750 % minutes; s2 = not s1.
- d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.



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Issue Date: 2021-05-11

Intertek Report No. 210425009SHF-001

Test Items, Method and Results:

2 RESULTS AND OBSERATIONS

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m ²	10.9
	Critical flux (longitudinal), kW/m ²	10.2
	Smoke production, % minutes	41
EN ISO 11925-2:2020 Exposure = 15 s	F _s ≤ 150 mm within 20 s	Yes

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production	
<i>B_{fl}</i>	-	s	1

Reaction to fire classification: *B_{fl}-s1*



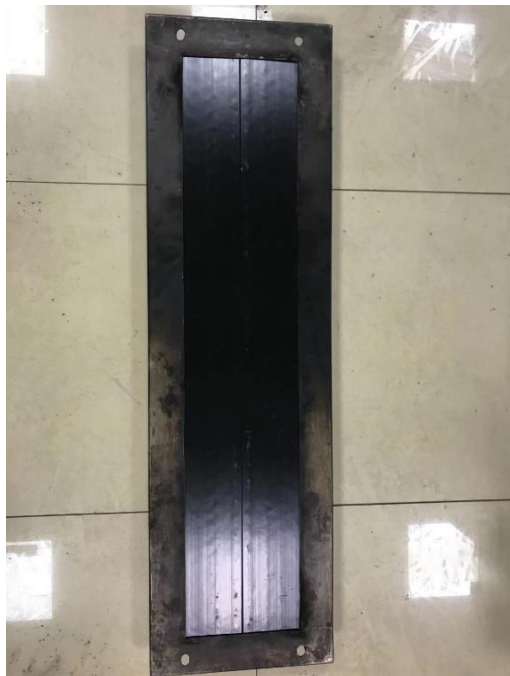
Test Report

Issue Date: 2021-05-11

Intertek Report No. 210425009SHF-001

Test Items, Method and Results:

4 Test Photos of EN ISO 9239-1



Before test



After test



Test Report

Issue Date: 2021-05-11

Intertek Report No. 210425009SHF-001

Appendix A: Sample Received Photo



Front view (test side)



Back view



Section view

Revision:

NO.	Date	Changes
210425009SHF-001	2021-05-11	First issue

