

# TEST REPORT

**SCOPE OF WORK**

CDECK Decking Board

**REPORT NUMBER**

210709008SHF-001-R1

**TEST DATE(S)**

2021-07-09 - 2021-07-22

**ISSUE DATE**

2021-07-22

**REVISED DATE**

2021-07-27

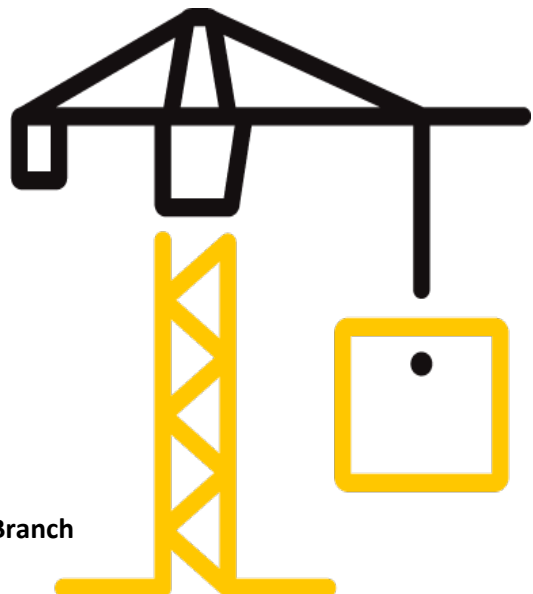
**PAGES**

6

**DOCUMENT CONTROL NUMBER**

LFT-APAC-SHF-OP-10k(May 1, 2021)

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## Test Report

Issue Date: 2021-07-27 Intertek Report No. 210709008SHF-001-R1  
 Applicant:  
 Address: Unit 18 , Smeaton Road, West Portway, Andover Hampshire, SP10 3LF  
 Attn: Mr. Michael Richmond  
 Test Type: Performance test, samples provided by the applicant.

### Product Information

<b>Product Name</b>	CDECK Fibre Cement Decking Board	<b>Brand</b>	Fire Deck
<b>Sample Description</b>	Good Condition	<b>Sample Amount</b>	16 pcs
		<b>Received Date</b>	2021-07-07
<b>Sample ID</b>	<b>Model</b>	<b>Specification</b>	
S210709008SHF.001~002	/	200x2440x25mm	


### Test Methods And Standards

<b>Test Standard</b>	EN ISO 1182:2020 and EN ISO 1716:2010
<b>Specification Standard</b>	EN 13501-1:2018
<b>Test Conclusion</b>	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 Xie*  *Jay Gong*  
 Name: Sally Xie Name: Jay Gong  
 Title: Reviewer Title: Project Engineer

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**Test Items, Method and Results:**

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

**1.1 NON-COMBUSTIBILITY TEST**

The test was conducted in accordance with EN ISO 1182. This test evaluates the non-combustibility performance of products in a vertical tube at 750±5°C.

**1.2 HEAT OF COMBUSTION TEST**

The test was conducted in accordance with EN ISO 1716. This test evaluates the gross heat of combustion (Q<sub>PCS</sub>) of products at constant volume in a bomb calorimeter.

**1.3 CLASSIFICATION CRITERIA**

The classification was determined in accordance with EN 13501-1:2018. The classes A1<sub>fl</sub> with its corresponding fire performance are given in the table below.

Table - Classes of reaction to fire performance for floorings

Class	Test Method(s)	Classification criteria	Additional classifications
A1 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> and	$\Delta T \leq 30^{\circ}\text{C}$ ; and $\Delta m \leq 50\%$ ; and $t_f = 0 \text{ s}$ (i.e. no sustained flaming)	--
	EN ISO 1716	$\text{PCS} \leq 2.0 \text{ MJ/kg}$ <sup>a</sup> and $\text{PCS} \leq 2.0 \text{ MJ/kg}$ <sup>b</sup> and $\text{PCS} \leq 1.4 \text{ MJ/m}^2$ <sup>c</sup> and $\text{PCS} \leq 2.0 \text{ MJ/kg}$ <sup>d</sup>	--

**Note:**

- a. For homogeneous products and substantial components of non-homogeneous products.
- b. For any external non-substantial component of non-homogeneous products.
- c. For any internal non-substantial component of non-homogeneous products.
- d. For the product as a whole.

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## Test Items, Method and Results:

### 2 RESULTS AND OBSERATIONS

Method	Parameter		Result
EN ISO 1182:2020	$\Delta T$ (°C)		2.7
	$\Delta m$ (%)		15.5
	$t_f$ (s)		0
EN ISO 1716:2010	PCS	The whole product, MJ/kg	0.8

### 3 CLASSIFICATION

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

Fire behaviour		Smoke production		Flaming Droplets
<i>A1<sub>fl</sub></i>	-	s	<i>Not applicable</i>	- d <i>Not applicable</i>

Reaction to fire classification: *A1<sub>fl</sub>*

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### Appendix A: Sample Received Photo

