TEST REPORT

No. : GZIN170701968CCM
Date : Aug. 09, 2017
Page: 1 of 7

CUSTOMER NAME:		SUPRADECK NL
ADDRESS:		Oud Camp 22 3155 DL Maasland The Netherlands
Sample Name	:	wood plastic composite

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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SGS Ref. No.	:	GZIN170701968CCM
Date of Receipt	:	Jul. 24, 2017
Testing Start Date	:	Jul. 24, 2017
Testing End Date	:	Aug.04, 2017
Test result(s)	:	For further details, please refer to the following page(s) (Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Jay Xue
Authorized signatory

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TEST REPORT

Test Result Summary

Test(s) Requested	Result(s)
EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests	Classification: B_{fl}-s1

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TESTS AND RESULTS

Test Conducted:

This test is conducted as per EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests.

And the test methods as following:

1. EN ISO 9239-1:2010 Reaction to fire tests for floorings-Part 1: Determination of the burning behaviour using a radiant heat source.
2. EN ISO 11925-2:2010 Reaction to fire tests-Ignitability of building products subjected to direct impingement of flame-Part 2: Single-flame source test.

Mounting and fixing (For EN ISO 9239-1:2010):

Fibre cement board, with its density about 1800kg/m^3, thickness about 8mm, is as the substrate. The sample is not sufficiently wide to cover the width of the specimen holder, the test specimen shall be prepared to incorporate a centre-longitudinal joint.

Test Results:

Test method	Parameter	Number of tests	Results
EN ISO 9239-1:2010	The mean value for the critical heat flux (CHF and/or HF-30) from the same orientation	3	≥11 kW/m^2
	Smoking measurement Integrated smoke value		84.3 %×min
	Comments and Observation		Charring
EN ISO 11925-2:2010 Exposure = 15 s	*F*s ≤ 150 mm within 20 s	12	Yes

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Remark：

1). Specimens that do not ignite or which spread flame less than 110 mm have a critical heat flux ≥ 11kW/m^2

2). Test specimens with flame-spread distances longer than 910 mm have a critical heat flux ≤1.1 k W/m^2

3). specimens which are extinguished by the operator at 30 min do not have a CHF value, but only a HF-30 value

4). For test durations longer than 30 min, record the time of flame extinguishment and the most distant point of flame spread and convert this to CHF

5). Calculate the mean value for the critical flux (CHF and/or HF-30) from the three same orientation specimens.

Classification and direct field of application

This classification has been carried out in accordance with **EN 13501-1:2007+A1:2009.**

Classification:

Fire behaviour		Smoke production	
B_{fl}	—	s	1

Reaction to fire classification: B_{fl}—s1

Remark:

The classes with their corresponding fire performance are given in Table 2.

Reaction to fire classification is based on the 7-step scale of $A1_{fl}$ to F_{fl}, where $A1_{fl}$ is good and F_{fl} is bad.

Statement:

The test results relate to the behaviour 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.

Warning:

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.

Table 2-Classes of reaction to fire performance for floorings

Class	Test method(s)	Classification criteria	Additional classification
$A1_{fl}$	EN ISO 1182 [a] and	$\Delta T \leq 30$ °C; and $\Delta m \leq 50$ %; and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2{,}0$ MJ/kg [a] and $PCS \leq 2{,}0$ MJ/kg [b] and $PCS \leq 1{,}4$ MJ/m^2 [c] and $PCS \leq 2{,}0$ MJ/kg [d]	-
$A2_{fl}$	EN ISO 1182 [a] or	$\Delta T \leq 50$ °C and $\Delta m \leq 50$ % and $t_f \leq 20$ s	-
	EN ISO 1716 and	$PCS \leq 3{,}0$ MJ/kg [a] and $PCS \leq 4{,}0$ MJ/m^2 [b] and $PCS \leq 4{,}0$ MJ/m^2 [c] and $PCS \leq 3{,}0$ MJ/kg [d]	-
	EN ISO 9239-1 [e]	Critical flux [f] $\geq 8{,}0$ kW/m^2	Smoke production [g]
B_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] $\geq 8{,}0$ kW/m^2	Smoke production [g]
	EN ISO 11925-2 [n]: Exposure = 15 s	$Fs \leq 150$ mm within 20 s	-

C_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 4,5 kW/m^2	Smoke production [g]
	EN ISO 11925-2 [h]: Exposure = 15 s	*F*s ≤ 150 mm within 20 s	
D_{fl}	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 3,0 kW/m^2	Smoke production [g]
	EN ISO 11925-2 [h]: Exposure = 15 s	*F*s≤150mm within 20 s	
E_{fl}	EN ISO 11925-2 [h]: Exposure = 15 s	Fs ≤ 150 mm within 20 s	
F_{fl}	No performance determined		

[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.

[e] Test duration = 30 min.

[f] 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).

[g] **s1** = Smoke ≤ 750 % minutes;

s2 = not s1.

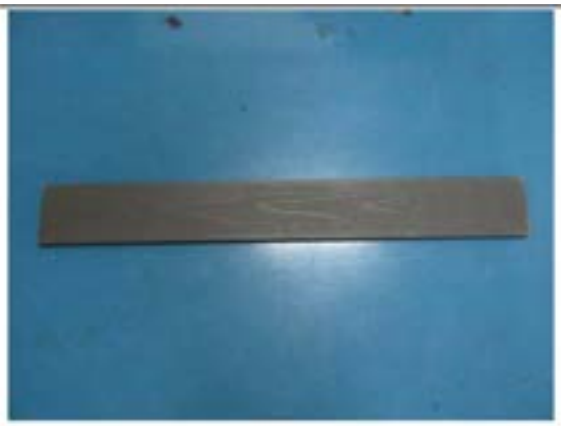
[h] Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack

TEST REPORT

SAMPLE INFORMATION AND PICTURES

Thickness: About 19mm

Mass per unit area: About 24.8kg/m^2

	
Sample picture	After test for EN ISO 9239-1

Note: The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Xiamen Branch.

********End of report********

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