Test Report

Date : 2023-02-13
No. : HT23010105

Applicant	:	PC International Trading Ltd. Room 17, 2/F., Mega Cube, 8 Wang Kwong Road, Kowloon Bay Attn.: Chris Wong
Description of Samples	:	One (1) group of submitted samples said to be: 冷房板
Date samples Received	:	2023-01-20
Date Tested	:	2023-01-20 to 2023-02-09
Investigation Requested	:	Selected test(s) as detailed herein.
Conclusion	:	According to the test results, the submitted sample complied with the requirements of EN 13501-1: 2018, class E

THE HONG KONG STANDARDS AND TESTING CENTRE LTD

CHENG Chun-yiu, David,
Authorized Signatory

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TEST RESULT(S):

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

1. EN ISO 11925-2:2010

Test Results

Test Method	Parameter	Specimens number	Results
EN ISO 11925-2:2020 Surface exposure 15s flame application	$F_S \leq 150$mm	6	Pass
	Ignition filter paper		Pass
EN ISO 11925-2:2020 Edge exposure 15s flame application	$F_S \leq 150$mm	6	Pass
	Ignition filter paper		Pass

Classification

This classification has been carried out in accordance with EN 13501-1:2018.

Conclusion

According to the test results, the submitted sample complied the requirements of EN 13501-1: 2018, class E

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

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	Temperature rise $\Delta T \leq 30$ °C; and Mass loss $\Delta m \leq 50$ %; and Duration of sustained flaming $t_f = 0$	-
	EN ISO 1716	Gross calorific potential PCS ≤ 2.0 MJ/kg [a] and Gross calorific potential PCS ≤ 2.0 MJ/kg [b] and Gross calorific potential PCS ≤ 1.4 MJ/m^2 [c] and Gross calorific potential PCS ≤ 2.0 MJ/kg [d]	-
A2$_{fl}$	EN ISO 1182 [a] or	Temperature rise $\Delta T \leq 50$ °C; and Mass loss $\Delta m \leq 50$ %; and Duration of sustained flaming $t_f \leq 20$ s	-
	EN ISO 1716 and	Gross calorific potential PCS ≤ 3.0 MJ/kg [a] and Gross calorific potential PCS ≤ 4.0 MJ/m^2 [b] and Gross calorific potential PCS ≤ 4.0 MJ/m^2 [c] and Gross calorific potential PCS ≤ 3.0 MJ/kg [d]	-
	EN 9239-1[e]	Critical flux [f] ≥ 8.0 kW/m^2	Smoke production [g]
B$_{fl}$	EN 9239-1[e] and	Critical flux [f] ≥ 8.0 kW/m^2	Smoke production [g]
	EN ISO 11925-2 Exposure = 15s	Flame spread $F_s \leq 150$ mm within 20 s	-
C$_{fl}$	EN 9239-1[e] and	Critical flux [f] ≥ 4.5 kW/m^2	Smoke production [g]
	EN ISO 11925-2 Exposure = 15s	Flame spread $F_s \leq 150$mm within 20 s	-
D$_{fl}$	EN 9239-1[e] and	Critical flux [f] ≥ 3.0 kW/m^2	Smoke production [g]
	EN ISO 11925-2 Exposure = 15s	Flame spread Fs ≤ 150 mm within 20s	-
E$_{fl}$	EN ISO 11925-2 Exposure = 15s	Flame spread Fs ≤ 150 mm within 20s	-
F$_{fl}$	No performance determined		

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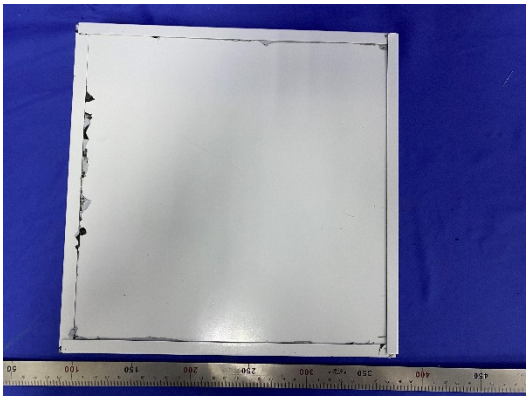
Table 2 — Classes of reaction to fire performance for floorings

[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.

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.

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.

Sample photo:



********* End of Test Report *********

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