

## Test Report

Test Sponsor: **Cyber Concept Limited**  
Address of Test Sponsor: 1001B, 10/F., Block B, Seaview Estate, 2-8 Watson Road,  
North Point, Hong Kong.  
Identification of Test Item: **Q10L18**  
Brand name: CYBER CONCEPT.  
Product name: TiO<sub>2</sub> PCO Air Purification System.  
Model: AC Series for AHU, PAU, FCU, Air Duct.  
Type of material: Aluminium Honeycomb net coating with TiO<sub>2</sub>  
and surrounded with Aluminium Frame.  
Test Method: BS476: Part 4: 1970 "Fire Test on Building Materials and  
Structures – Non-combustibility Test for Materials"  
Date of Test: 15 November 2010

### Purpose of Test

This test is used to determine if the material is non-combustible when it is exposed to the conditions of the test specified in British Standard 476: Part 4: 1970 "Fire Test on Building Materials and Structures – Non-combustibility Test for Materials".

### Description of Specimens

Three (3) specimens, supplied by the test sponsor and known as "Cyber Conpect" TiO<sub>2</sub> PCO air purifier system composited of aluminium honeycomb net coating with TiO<sub>2</sub> and surrounded with 0.8 mm thick aluminium frame as shown in photo 1. There is no any coating on the aluminium frame that is fixed together by aluminium rivets. The dimensions of aluminium honeycomb are nominal of 41.2 mm by 40.3 mm by 50.5 mm (thick). Each specimen has nominal sizes of 40 mm (long) by 40 mm (wide) by 50 mm (thick) in accordance with the testing requirements. The overall density stated by the test sponsor is approximately 394 kg/m<sup>3</sup>.

### Testing Procedures

The specimens were exposed to the specified heating conditions in a furnace complied with Clause 6 of BS 476 Part 4: 1970 and the set up is shown in Figures 1, 2 and 3 of the standard. The furnace was heated and its temperature was stabilized at 750 ± 10 °C for at least 10 minutes. One specimen was then inserted in the furnace with the specimen holder; the whole operation was performed in less than 5 seconds. The temperature of the specimen and the furnace was measured by two separate thermocouples continuously for 20 minutes and recorded by a computer. The flaming time of the specimen was determined by a stop-watch. The procedures were repeated for the other two specimens.

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**Results**

Description	Specimen 1	Specimen 2	Specimen 3	Requirements
Time of continuous flaming (sec)	0	0	0	≤ 10
Temperature rise of furnace above initial furnace temperature(°C)	2	0	0	≤ 50
Temperature rise of specimen above initial furnace temperature(°C)	0	0	0	≤ 50
Classification	Non-Combustible	Non-Combustible	Non-Combustible	N/A

**Conclusion**

A non-combustible test for materials in accordance with BS 476 Part 4: 1970 has been performed on the material as described in this report and the classification of the sample is **NON-COMBUSTIBLE**.



Approved Signatory: \_\_\_\_\_

Ir Dr. Sai Wing YUEN, MHKIE (Fire)

Date: 18 NOV 2010

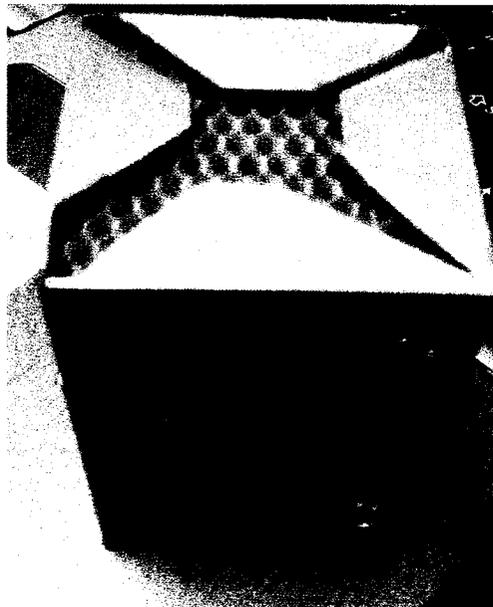


Photo 1 – “Cyber Conpect” TiO<sub>2</sub> PCO air purifier system composed of aluminium honeycomb net coating with TiO<sub>2</sub> and surrounded with aluminium frame.

**-End of Report-**

The test results are valid only for the conditions under which the test was conducted. Hong Kong Accreditation Service (HKAS) has accredited this laboratory under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS directory of accreditation laboratories. The results shown in this test report were determined by this laboratory in accordance with its terms of accreditation. This report may not be reproduced except in full.