

Test Report No. SDHG1411019402FB-01 Date: Jan.14, 2015 Page 1 of 5

CHEUNG KEE CANVAS LTD. G/F, 352, RECLAMATION ST, KLN. HK

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : PVC TARPAULIN

Style / Item No. : CK 18OZ

Sample Receiving Date : Nov.25, 2014

Test Performing Date : Nov.25, 2014 to Dec.04, 2014

Test Result Summary

| No. | Test(s) Requested | Result(s) | Comments |
|-------|--|-----------------|-------------|
| 450 | NFPA 415-2013 Clause 6.2.1 | PASS CLASS A | 563 F50 CG5 |
| For f | iurther details, please refer to the following page(s) | 9 65 cB | Surgar CS |

Signed for and on behalf of SGS-CSTC Co., Ltd.

Irvette Zhang Approved signatory



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1F,1^eBulding European Industrial Park, No.1 Shurthernan Road, Wusha Section, Dallaring Town, Shurther Fostian, Giangdong, China. 528333 t (86—757)22805888 f (86—757)22805858 www.sgsgroup.com.cn 中国・广东・停山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编;528333 t (86—757)22805888 f (86—757)22805858 e e sgs.china@sgs.com



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Test Conducted:

This test was conducted in accordance with "NFPA 415-2013 Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways": Clause 6.2.1;

Sample Description:

| Name (provided by sponsor) | PVC TARPAULIN | 205 | 463 | 500 | 565 E |
|----------------------------|--------------------------|------|---------|-------|-------|
| Thickness | Approximately 0.5 mm | - CO | , egg., | S 265 | - 500 |

Introduction:

The method, designated as ASTM E84-14, "Standard Method of Test for Surface Burning Characteristics of Building Materials", is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results are expressed in terms of flame spread index (FSI) and smoke developed index (SDI).

The purpose of this test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed index are reported. However, there is not necessarily a relationship between these two measurements.

Sample Preparation:

Prior to testing, the specimen was conditioned to constant weight at a temperature of $73 \pm 5^{\circ}F$ ($23 \pm 3^{\circ}C$) and a relative humidity of $50 \pm 5\%$.

The test specimen consisted of a total of 2 sections of material. The sections were butted together during testing to form the requisite specimen length. The specimens were mounted with Wire & Rod.

Test Procedure:

The tunnel is preheated to 150°F, as measured by the floor-embedded thermocouple located 23.25 feet downstream of the burner ports, and allowed to cool to 105°F, as measured by the floor-embedded thermocouple located 13 feet from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling 24 feet long, 12 inches above the floor. The lid is then lowered into place.

Upon ignition of the gas burners, the flame spread distance is observed and recorded every 15 seconds. Flame spread distance versus time is plotted ignoring any flame front recessions. If the area under the curve (A) is less than or equal to 97.5 min·ft, FSI = 0.515·A; if greater, FSI = 4900/(195-A). Smoke developed is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, arbitrarily established as 0 and 100, respectively.



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Test Results:

| Sample | Flame-Spread Index (FSI) | Smoke-developed Index (SDI) |
|---------------|-----------------------------|-----------------------------|
| PVC TARPAULIN | 15 | 140 |

Observations of Burning Characteristics:

- The sample ignited approximately 20 seconds after exposure to the test flame.

Requirement:

6.2 Requirements for All Aircraft Loading Walkways

6.2.1*Interior finish other than textiles of walls, ceilings, and walkways shall be Class A as defined in 10.2.3.4(1) of NFPA 101, Life Safety Code, and classified in accordance with ASTM E 84, Standard Test Method for Surface Burning Characteristics of Building Materials or ANSI/UL 723, Standard for Test for Surface Burning Characteristics.

The classifications are as follows:

| 20. 2. 25 | Flame-Spread Index (FSI) | Smoke-developed Index(SDI) | |
|-----------|--------------------------|----------------------------|--|
| Class A | 0 - 25 | 0 - 450 | |
| Class B | 26 - 75 | 0 - 450 | |
| Class C | 76 - 200 | 0 - 450 | |

Conclusion:

Refer to the National Fire Protection Association Life Safety Code 101, "Interior Wall and Ceiling Finish Classification", the submitted sample met the requirement of Class A.



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Graphical Results:

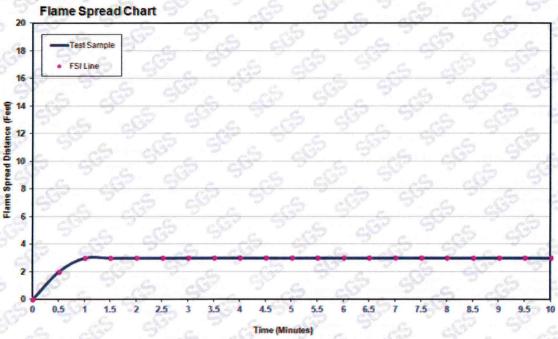


Figure 1. Flame Spread Chart Smoke Developed Chart

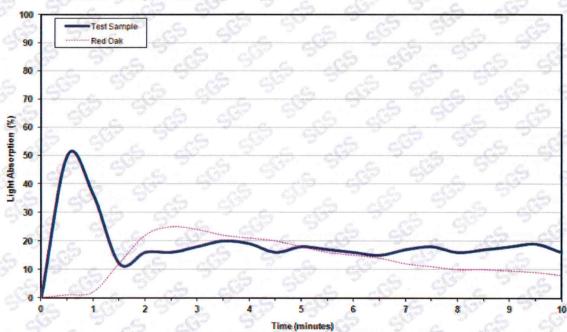


Figure 2. Smoke Developed Chart



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Photo Appendix:



Remark: This test report is to supersede test report number SDHG1411019402FB.

End of Report



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