



**UL94-2006 Test for Flammability of Plastic Materials  
For Parts in Devices and Appliances Horizontal  
Burning Test for Classifying Materials (94HB)**

**Client:** Signature Systems LLC  
50 E 42<sup>nd</sup> Street  
New York, NY 10017

**Received Date:** October 26, 2009  
(This specimen was received in good condition.)

**Test Date:** November 3, 2009  
**Report Date:** November 4, 2009

**Project No.:** 3193348SAT-002A

**Specimen ID:** ArmorDeck Flooring  
**Description:** Light gray flooring material

**Sample Dimensions:** 125 mm x 13 mm x 9.6 mm thick  
**Sample Preparation:** The specimens were prepared by lab technician at Intertek.  
**Sample Conditioning:** 73.4±4°F and 50±5% R.H. For 48 hours.  
**Environmental Conditions:** 68°F and 52% r.h.

**This Test Witnessed by:** n/a

**Summary of Test Method**

A bar of the material to be tested is supported horizontally at one end. The burner is placed on the free end of the specimen for 30 seconds. The test flame impinges the specimen 6mm. Time and extent of burning are measured and reported if the flame front reaches the 25 mm mark. The timing device is started when the flame reaches the 25 mm mark. The timing zone is between the 25 mm mark and the 100 mm mark.

**Test Criteria**

A material classified as 94HB shall: **1.** Not have a burning rate exceeding 40 mm per minute over a 75 mm span for specimens having a thickness of 3.0 - 13 mm, or **2.** Not have a burning rate exceeding 75 mm per minute over a 75 mm span for specimens having a thickness less than 3.0 mm, or **3.** Cease to burn before the 100 mm reference mark.

**Intertek Testing Services NA, Inc.**  
16015 Shady Falls Road  
Elmendorf, Texas 78112  
Telephone: 210-635-8100 Fax: 1-210-635-8101  
e-mail: [www.intertek-etlsemko.com](http://www.intertek-etlsemko.com)

## TEST RESULTS

Specimen	Did Flame Reach 25 mm(Y/N)	Did Flame Reach 100 mm(Y/N)	Total Time (sec)	Extent of Burning (mm)	Burning Rate (mm/min)
1	Y	Y	433	75	10.4
2	Y	Y	471	75	9.6
3	Y	Y	452	75	10.0
<b>Average</b>			452	75.0	10.0

**This material meets the UL 94HB classification requirements.**

*This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.*

This report contains a total of 2 pages.



Thomas Haynes  
Technician

November 4, 2009

Reviewed and approved:



Servando Romo  
Project Manager

November 4, 2009

**Intertek**