



**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  
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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.

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## 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.**

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This report contains a total of 2 pages.



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November 4, 2009

Reviewed and approved:



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November 4, 2009

