

LABORATORY TEST REPORT

Surface Tested	Running Track Systems: BSS 300 (Encapsulated) BSS 300 BSS 1000
Prepared for	Beynon Sports Surfaces Hunt Valley, MD
Test Standard	ASTM D 2859-06(2012): "Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials" ASTM F 2157-09: "Standard Specification for Synthetic Surfaced Running Tracks"
USSL Reference	#1802
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UNITED STATES SPORTS SURFACING LABORATORY, INC.

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USA

5 June 2012

USSL Ref: 1802 / HJK/th
Subject Flammability ASTM D 2859-06(2012) and ASTM F 2157-09

The USSL was commissioned to test three running track systems for Flammability Characteristics according to the named Standard.

1. Standards

- 1.1. ASTM F 2157-09
Standard Specification for Synthetic Surfaced Running Tracks
- 1.2. ASTM D 2859-06(2012)
Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials

2. Description of Samples

- 2.1 Product ID **BSS-300 (Encapsulated)**
 - 2.1.1 Thickness overall 15 mm
 - 2.1.2 Materials
 - Top layer Red elastomeric granules encapsulated in PUR
 - Base layer PUR bound black rubber SBR granulate
 - 2.1.3 Sampling
 - By Beynon Sport Surfaces
 - Quantity 8 sections, 12" x 12" x thickness, each
 - Date January 2010
 - Dimension 12 x 12 inches

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2.2 Product ID **BSS-300**

2.2.1	Thickness overall	16 mm	
2.2.2	Materials	Top layer	Red EPDM granules broadcast / embedded into PUR layer
		Base layer	PUR bound black rubber SBR granulate
2.2.3	Sampling	By	Beynon Sport Surfaces
		Quantity	8 sections, 12" x 12" x thickness, each
		Date	December 2008
		Dimension	12 x 12 inches

2.3 Product ID **BSS-1000**

2.3.1	Thickness overall	15 mm	
2.3.2	Materials	Top layer	Red EPDM granules broadcast / embedded into 2-component PUR layer
		Base layer	Black rubber SBR granulate in 2-component PUR
2.3.3	Sampling	By	Beynon Sport Surfaces
		Quantity	8 sections, 12" x 12" x thickness, each
		Date	October 2007
		Dimension	12 x 12 inches

3. Test Equipment

3.1 Ignition Source Methenamine Reagent Tablet # 1588 (0.149 g), Eli Lilly Inc.

4. Test Procedure

Each sample was preconditioned and tested according to the procedure in ASTM D 2859-06(2012).

Each sample was tested separately for ignition characteristics. A methenamine reagent tablet was placed flat in the center of the sample within the specified ring and ignited with a match on its top surface. The ignition flame was allowed to burn until it self extinguished or reached the edge of the metal ring.

Each section of each sample was subjected to 1 burn.

7. Test Results

In each test the flame self-extinguished without igniting the surfacing or reaching the ring.

8. Conclusion

Each section of the 3 systems met the acceptance criteria of ASTM D 2859-06(2012) and thereby this requirement in ASTM F 2157-09.

United States Sports Surfacing Laboratory, Inc.

Dipl. Ing. Hans J. Kolitzus



Kathleen Smith



Information contained in this report reflects the objective results of the named tests on the submitted sample under the conditions detailed in this report. This report is not intended for used in legal proceedings or theory.