



TESTING TECHNOLOGY FOR SPORT

Laboratory Study

Infill Heat Study

Report Number: 96656/8409

Report Status: Draft

Client: Encore Sports Systems

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TESTING TECHNOLOGY FOR SPORT

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REGIONAL LOCATIONS

-Seattle, Washington

-Columbia, Missouri

-Dallas, Texas

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-Montreal, Quebec

Foreword

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Report Written By:	Gustavo Munoz	Report Checked By:	Kieran O'Donnell
Date:	09/19/2025	Date:	09/19/2025
Signed:		Signed:	

Test Laboratory

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Test Method:

- FIFA 14: Procedure for the determination of heat on artificial turf products

3D3 2" 52 oz 18"x18" Dry and Wet Samples were Tested:

- 2.0 lbs. SBR & 4.0 lbs. Sand.
- 1.8 lbs. Sand, 0.5 lb. #3 8/16, 1.8 lbs. SBR & 0.5 lb. 4L 20/40.

Note: The wet sample was treated with 8 oz/ft² using a pump sprayer.

Category	Temperature Range [°F]	System Category
1	<122	
1→2	122→130	
2	131→139	
2→3	140→149	
3	>149	

Heat Test Dry			Heat Test Wet	
3D3 2" 52oz. 18" x 18" Sample			3D3 2" 52oz. 8 oz/ft ² of water on a 18" x 18" Sample	
Elapsed Time [min]	2 lbs. SBR /4 lbs. Sand [°F] <i>Control Sample</i>	0.5 lb. #3 (8/16)/0.5 lb. 4L (20/40)/ 1.8 lbs. Sand/ 1.8 lbs. SBR [°F]	2 lbs. SBR /4 lbs. Sand [°F] <i>Control Sample</i>	0.5 lb. #3 (8/16)/0.5 lb. 4L (20/40)/ 1.8 lbs. Sand/ 1.8 lbs. SBR [°F]
0	90	77	78	79
5	108	90	98	85
10	116	100	105	90
15	120	103	109	94
20	124	109	111	96
30	128	113	113	98
40	131	117	115	100
50	133	121	116	101
60	135	123	117	102
75	136	126	117	103
90	138	128	125	104
105	139	129	129	105
120	140	130	131	108
135	141	131	132	109
150	141	132	133	110
165	142	133	133	113
180	142	134	134	114
Category	2→3	2	2	1

End of Report