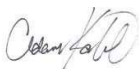


# Summary Report

## Diamond Wall Outdoor Wall Padding

<b>Job No.</b>	99387/9569
<b>Client Information</b>	SportsEdge P.O. Box 837, 259 Murdock Rd Troutman, NC 28166
<b>Test Type</b>	Outdoor Wall Padding Evaluation
<b>Sample Arrival Date</b>	4/18/2024
<b>Test Date(s)</b>	5/7/2024, 5/15/2024
<b>Report Date</b>	5/28/2024
<b>Report Status</b>	Final

**Prepared by** Adam Kalil  
Laboratory Manager

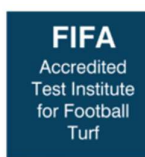


**Checked by** Megan Illsley  
Laboratory Director



**Notes:**

1. This report has been prepared by Firefly Sports Testing with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.
2. This report is confidential to the Client and Firefly Sports Testing accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.
3. This is a summary report. Complete information and tests results can be found in Laboratory Test Report 99387/9569.
4. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."



# LABORATORY TESTING WALL PADDING



## Summary

Firefly Sports Testing was commissioned to perform impact testing per ASTM F2440, the Standard Specification for Indoor Wall/Feature Padding. The purpose of this testing was to assess the impact attenuating capabilities of Diamond Wall Outdoor Wall Padding.

Test Type	Test Method	Test Description
Impact Attenuation	ASTM F2440-18 Modified	Standard Specification for Indoor Wall/Feature Padding – Modified (Additional testing heights performed per client request)

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## General Information

<b>Testing Device</b>	ASTM F1292 Apparatus TRIAx 2010 Data Acquisition	<b>Test Method</b>	ASTM F2440
<b>Underlayment</b>	Concrete	<b>Product Info</b>	Diamond Wall
<b>Air Temp (°F)</b>	71	<b>Humidity %</b>	46

Note: Samples were constructed per manufacturer specifications

## Sample Photos



# LABORATORY TESTING WALL PADDING



## Location Descriptions

Location	Description
1	On strut channel bracket; center of panel
2	Between strut channel; panel seam
3	Between strut channel; center of panel
4	Between strut channel; panel leg

## ASTM F2440

Location	Drop Height (ft)	Impact Velocity (ft/s)	Gmax	HIC
1	4	16.0	68	287
2	4	16.0	68	236
3	4	16.0	52	204
4	4	16.0	65	268

## Additional Height

Location	Drop Height (ft)	Impact Velocity (ft/s)	Gmax	HIC
1	12	27.8	106	712

Note: Maximum laboratory drop height capability of 12ft was reached

### Statement of Specificity

The results reported herein reflect the performance of the described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently.

End of Report

