



Suitability Test Report

Issued To:

Safety Padding, LLC
63 E Broad St
Hatfield, PA 19440
USA

Standard:

Suitability Test Report of an Indoor Wall Padding System According to
ASTM F2440 (2010)

System Name:

SP-Extinguis Impact Series

Date of Suitability Testing	Mar 08, 2022
Suggested Retest Date	Mar 08, 2026
Report Number	F2440-030822-04
Pages	6

Evaluated Characteristic of ASTM F2440	Average	Maximum	Maximum Allowed	Result
Gmax	125	130	200	Pass
HIC	407	422	1000	Pass

Notes:

1 – Key construction details are highlighted in Section 1 (page 3) of this report. Specifications and installation instructions containing these key details have been supplied and reviewed. Necessary tools and methods to achieve proper anchoring have also been addressed in the specification and installation instructions.

2 – This document contains enhanced digital and duplication security features. More information can be found on our website: www.asetservices.com/blog.

3 – This report contains 6 pages, and may not be used for commercial purposes unless it is reproduced in its entirety.

To: Safety Padding, LLC
4781 N U.S. Highway 51
63 E Broad St
Hatfield, PA 19440

Subject: Suitability Testing of Indoor Wall Padding System using ASTM F2440 (2010).

ASET Services, Inc was commissioned by Safety Padding, LLC of Pennsylvania, USA to conduct suitability testing of the SP-Extinguis Impact Series indoor wall padding system.

A total of two samples 24 inches x 24 inches (610 mm x 610 mm) were supplied.

The date of the testing was Mar 08, 2022.

1) System Construction Summary

The sample was constructed using the following materials and construction methods.

<p>A) Pad Description Approx 2-3/8 inch (60 mm)</p>	<p>Wall panels consisted of a 7/16" thick Exposure Rated OSB Panel.</p> <p>2 inches (51 mm) of polychloroprene (neoprene) foam 9 lb density. Compliant with ASTM E-84 and NFPA 286 flame and smoke testing</p> <p>Panels were covered in 18.5 oz vinyl fabric treated with BACshield, an Anti-Mildew, Anti-Fungus, Antibacterial, and Antimicrobial.</p>
<p>B) Photos</p>	 
<p>Foam Hardness</p>	<p>Type 00 – 40-50 (ASET)</p>

2) Testing Procedures

Testing was conducted according to ASTM F2440 (2010). The testing climate was 21 C, 40% relative humidity. Point locations are documented in Appendix 2

3) Average Test Results

The following table contains the average performance values obtained on the evaluated sport surface system, as well as the requirements of ASTM F2440 (2010). As a reminder, the 'Result' Column is based on the maximum value obtained on the sample.

Evaluated Characteristic of ASTM F2440	Average	Maximum	Maximum Allowed	Result
Gmax	125	130	200	Pass
HIC	407	422	1000	Pass

4) Conclusions

The SP-Extinguis Impact Series area elastic sports surface system described in previous sections was found to meet the performance requirements for area elastic sports surfaces as specified in DIN 18032-2 (issue 2001).

Testing and report generation was performed by Paul W. Elliott, Ph.D., P.E. of ASET Services, Inc.

I hereby certify that the results presented in this report were obtained on the sample as described, on said date and are believed to be accurate representations of the performance of this sport surface system.

Paul W Elliott

Date: Mar 11, 2022



Appendix A: Data Point Descriptions

Point 1	Center of Panel 1
Point 2	Joint Between Panels
Point 3	Center of Panel 2

Appendix B: Appendix C: Performance Data by Point

Gmax	180 g
HIC	930

Test Temperature: 70 F (21C)

Test Humidity: 40%

Gmax Results

Point	Drop 1	Drop 2	Drop 3	Average	Result
1	76	118	141	130	Pass
2	73	113	128	121	Pass
3	76	112	135	124	Pass
Sample Average				125	
Sample Maximum				130	Pass

HIC Results

Point	Drop 1	Drop 2	Drop 3	Average	Result
1	215	397	464	422	Pass
2	206	370	408	389	Pass
3	217	374	443	409	Pass
Sample Average				407	
Sample Maximum				422	Pass