



Suitability Test Report

Issued To:

PlastPrime®

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Standard:

Suitability Test Report of a sports surface system according to
EN 14904 (issue 2006)

System Name:

PlastSport® Indoor

Date of Suitability Testing	Aug 22, 2014
Suggested Retest Date	Aug 22, 2021
Report Number	EN-082214-01
Pages	7

This system receive an overall optional Type¹ assignment of 4, for area elastic sports surfaces

Evaluated Characteristic of EN 14904 (2006)	Test Results (Avg Values)	Max	Min	Type
Rolling Load ²	1500 (Pass)			
¹ See Appendix D for rolling load comments				

Note: **This report contains 7 pages, and may not be used for commercial purposes unless it is reproduced in its entirety.**

To: PlastPrime®
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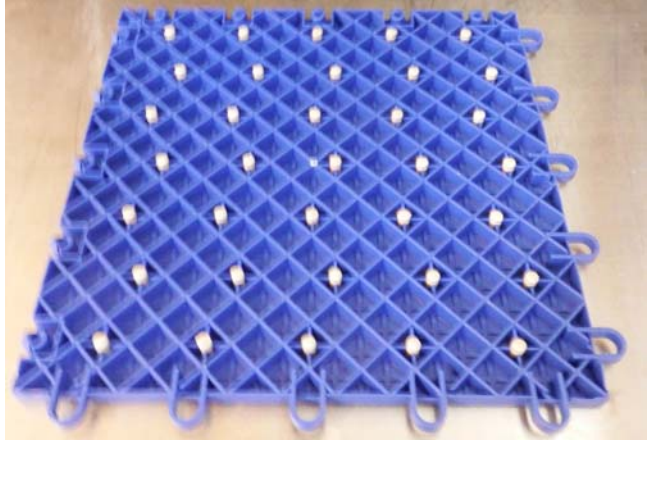
Subject: Suitability test carried out on a sports surface system according to standards and methods selected by Tarkett Sports

ASET Services, Inc was commissioned by PlastPrime® to conduct suitability testing of the PlastSport® Indoor area elastic sports surface system.

A sample of the sport surface system measuring 1.5 m x 1.5 m (4.9 ft x 4.9 ft) was constructed at ASET Services' test facility.

1) System Construction Summary

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

<p>A) Top Layer Approx 12 mm</p>	<p>Modular plastic tile. Surface area nominally 25 cm x 25 cm (10 in x 10 in). Thickness nominally 12 mm (½ in). Each tile contains 2 sides with 'loops' that extend beyond the surface area of the tiles and beneath neighboring tiles. The remaining 2 sides contain the other portion of the locking system that engages with the loops.</p> <p>Material: Polypropylene copolymer</p>
<p>B) Elastic layer Approx 11 mm</p>	<p>A rubber shock absorbing pad, nominal dimensions: 11 mm thick x 6 mm in diameter (7/16 in x ¼ in). Each pad protruded beyond the base of the plastic tile suspending the tiles above the concrete subfloor. Each tile contained a total of 35 pads.</p> <p>Hardness: 75 Shore A (approximate)</p>
<p>C) Concrete</p>	
<p>Photo</p>	

2) Testing Procedures

Testing was conducted according to EN 14904 (issue 2006). The testing climate was 23 C, 45% relative humidity. Point locations are documented in Appendix 2.

Test point construction details are described in Appendix A.

Test point locations and system construction are illustrated in Appendix B.

Test results for each point are included in Appendix C.

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 EN 14904 (2006).

Evaluated Characteristic of EN 14904 (2006)	Test Results (Avg Values)	EN 14904 (2006) Average Requirements
Rolling Load	Pass	(1500 N)

4) Conclusions

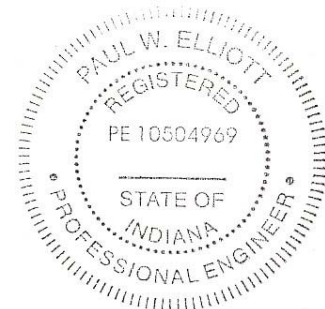
The PlastSport® Indoor area elastic sports surface system described in previous sections was found to meet the performance requirements for area elastic sports surfaces as specified in EN 14904 (2006).

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

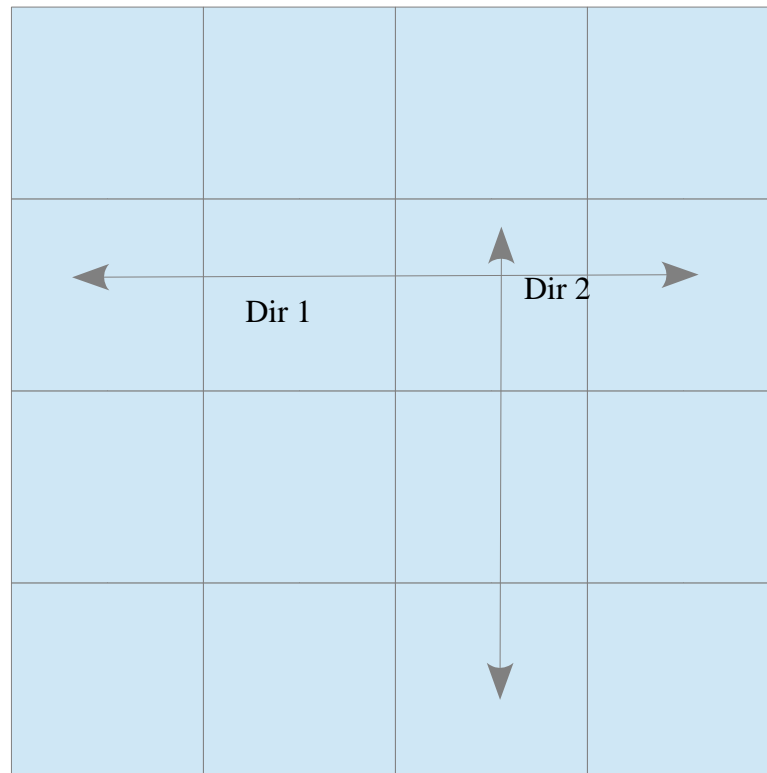
Date: Sept, 17, 2014



Appendix A: Data Point Descriptions

Point 1	Tile 'T' Joint
Point 2	Tile Edge Joint
Point 3	Center of Tile
Point 4	Over Shock Absorbing Pad
Point 5	Between Shock Absorbing Pad
Point 6	Between Shock Absorbing Pad

Appendix B: Sample illustration, and test point locations



Results

Dir 1: Indentation 0.1 mm / No Damage

Dir 2: Indentation 0.1 mm / No Damage

Appendix D: Rolling Load Comments

In the past ASET Services has taken the position that Rolling Load testing results were inappropriate for many situations common to North America. This position has not change. However, ASET Services realizes that the rolling load test results may be more significant in other international markets.

As a warning, ASET Services has included this appendix to remind North American facilities and architects to coordinate their sport surface selection and facility design with their backstop and bleacher manufacturers and installers. Only through thorough coordination can a facility insure that their floor is compatible with backstops and bleachers.

Partial and full stop-blocking of a system may be necessary to support excessive loads common in North America. Facilities should realize that when either of these options are chose they may experience a decrease in the performance of their sport surface in the areas modified to accommodate these higher loads.