



TEST REPORT

**Laboratory tests on indoor surfaces for multi-sports use
according to the requirements of NF EN 14904 (06/2006)**

APEX SPORTS MAPLE WOOD APEX SPORTS

LABORATORY TEST REPORT No. R181401-A1

LE MANS, 01/08/2018

This report is composed of 4 pages.

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The results are valid only for the above sports surface. Complete results available on request.

1 ■ CLIENT DETAILS

Company: **Apex Sports Surfaces India**

Address: 414, Giri Shiker, Opp. Goyenka Hall, J. B. Nagar, Andheri (E), Mumbai – 400 059 – India

Date of order: 22/06/2018

2 ■ TEST PROGRAMME

LABOSPORT has been commissioned by **Apex Sports Surfaces India**, to carry out laboratory tests on the multi-sports indoor sport floor, **Apex Sports Maple Wood**.

Tests methods and technical requirements criteria considered in this report refer to the standard:

- NF EN 14904: Surfaces for sports areas - Indoor surfaces for multi-sports use - Specification (06/2006).

Dimensions of the tested samples conform to the testing standards.

Samples were tested in accordance with the client's instructions (installation conditions, laying type).

Tests are realized in laboratory where temperature and air humidity are controlled:

Temperature (°C)	23°C ± 2°C
Air humidity (%)	50 % ± 10%

3 ■ SAMPLES (client declaration)

Product name	Apex Sports Maple Wood
Product type	Area elastic floor
Internal reference	LSIND-S-2018-017
Receipt date	04/07/2018
Picture	
Description	<ul style="list-style-type: none"> ○ System Thickness – 85mm. ○ Structure of Product – 19mm Thick EPDM air-cushioned pads, 45mm Thick Pine Wood Runners, followed by 21mm thick Canadian Maple Wood Sports Flooring. ○ Runner Size: 45mm Thick x 70mm Width x Random Length. ○ Rubber Pad Size: 19mm Thick through the wings at 350mm x 350mm. <p>Base: Concrete.</p>

4 ■ TEST RESULTS

Properties	Methods	Units	Results	Requirements	Pass/Fail
Friction	EN 13036-4	-	105	80 - 110	Pass
			-4 / +4	± 4 from the average	
Shock absorption	EN 14808	%	66	25 - 75	Pass
			-2 / +2	± 5 from the average	
Vertical deformation	EN 14809	mm	2.1	≤ 5.0	Pass
Vertical ball rebound	EN 12235	%	96	≥ 90	Pass
			-1 / +2	± 3 from the average	

5 ■ CONCLUSION

Results of the tests mentioned below comply with the requirements of the NF EN 14904 standard :

- Shock Absorption
- Vertical Deformation
- Friction
- Vertical Ball Rebound

Results of shock absorption, vertical deformation and friction meet the BWF requirements for grade 1-A for wooden floor.

The results uncertainty has not been taken into account to declare or not the product conformity to the requirements.

Le Mans, 01/08/2018



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