

Test Report

IMPORTANT NOTE:

This report does <u>not</u> constitute an ITF Court Pace Classification

| Test code: 01/02-20-L-LUK-1172-A |
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Test location: Lab

Surface name: Matchplay 2

Surface type: Artificial Grass

Test laboratory: Labosport Ltd

Unit 3, Aerial Way

Hucknall Business Park Hucknall, NG15 6DW United Kingdom

Client: Playrite (A Division of National Floorcoverings)

Wellington Mills

Liversedge

West Yorkshire, WF15 7FH

United Kingdom

Prepared by:

Scott Parkin

Authorised by:

David Rigby

Distribution: Copy 1 - Labosport Ltd

Copy 2 - Playrite (A Division of National Floorcoverings)

Copy 3 - ITF

Test date: 14 August 2020

Issue date: 2 September 2020

Coefficient of restitution (COR): 0.80 Medium

Coefficient of friction (COF): 0.65 Medium

Court pace rating (CPR): 37 Medium

Alternative category *

Final classification Medium

* see note 11 of Test protocol on Explanation page of this report

Test Results - Court Pace: 01/02-20-L-LUK-1172-A



v ix - v fx

v iv (1 + e)

 $\mu = -----$

Surface name: Matchplay 2

Humidity:

Test laboratory:

Labosport Ltd

Surface type:

Artificial Grass Ambient temp:

24°C

Surface temp: 24°C

Test date:

14 August 2020

 ν fy

 ν iv

Test protocol:

- 1. For tests in the laboratory, the ITF Accredited laboratory requires either three samples of minimum dimensions 0.5 × 0.5 m, or (in the case of infilled and carpet surfaces) one sample measuring 1 × 1 m. In addition, a reference sample shall be sent to the ITF Technical Centre.
- 2. Test specimens should be flat. The body requesting the test should advise the laboratory on the preparation and storage of samples.
- 3. The body requesting the test is required to provide a detailed specification of the surface construction, which will be included in the Comments page of this report.
- 4. The test specimens shall be conditioned at $23 \pm 2^{\circ}C$ for a minimum of 3 hours prior to testing. Unless the surface is designed to be damp/wet when in its optimum condition, tests shall be made with the surface in a dry condition.
- 5. The laboratory shall use three high-specification balls to test the surface. The balls should be stored in their cans at $23 \pm 2^{\circ}$ C and pre-compressed before use.
- 6. The test balls shall be fired at an incident angle of $16 \pm 2^{\circ}$ and speed of 30 ± 2 m/s onto the surface, and the ball velocity shall be recorded before and after the impact.
- 7. Each of the three test balls shall be fired onto the surface three times (nine impacts in total), moving impact location for each shot. If the surface is disturbed or damaged by the test (e.g. movement of clay particles), the surface shall be restored before the next shot.
- 8. For any surfaces that have an inherent directional pattern such as natural or artificial grass test shots shall be fired in the typical directions of play, i.e. parallel to the length of the court. Where samples are used, the supplier shall indicate the direction the surface would be laid on court.
- 9. The temperature of the tests balls, surface and ambient conditions shall be monitored during the test, along with the relative humidity of the laboratory.
- 10. On completion of the test, the ITF Accredited laboratory will submit the test result to the ITF and subsequently to the body requesting the test. On receipt of the result, the body requesting the test may apply to the ITF for inclusion on the ITF list of classified tennis court surfaces.
- 11. If the mean CPR value for the three samples tested lies within two points of an adjacent category, the body requesting the test will be given the choice between the two categories.

Notation definitions & calculation of results:

V ix = horizontal incident velocity (m/s)

V iy = vertical incident velocity (m/s)

52%

V fx = horizontal rebound velocity (m/s)

V fy = vertical rebound velocity (m/s)

e = coefficient of restitution (COR)

 μ = coefficient of friction (COF)

T = mean ball temperature for test sample

(°C)

c = temperature coefficient (0.003)

eT = coefficient of restitution (COR)

a = pace perception constant (150)

b = mean COR for all surface types (0.81) CPR = court pace rating

 $CPR = 100(1 - \mu) + a(b - eT)$

eT = e + c(23-T)

Terms and conditions:

- ITF Classification of a tennis court is valid for 3 years from the date of listing. If a
 company wishes a court to remain on the ITF Classified list, it shall arrange for
 the court to be reassessed by an ITF Accredited laboratory within 6 months prior
 to expiry.
- 2. The ITF reserves the right to refuse to classify a surface product which it does not consider to be suitable for the game of tennis.
- 3. A surface product included on the list of ITF Classified Court Surfaces is classified purely on the basis of its court pace rating.
- 4. ITF Classification does not imply any form of ITF approval or endorsement.
- Only the ITF Court Pace Rating 'category' logo, as supplied to the applicant by the ITF, can be used in the marketing of the classified product.

Note: the ITF logo is a trademark of the ITF and cannot be used in any marketing or publicity materials (either printed or published on a website). Any unauthorised use of the ITF logo may result in legal proceedings against the Applicant and withdrawal of ITF Classification.

Test Results - Court Pace: 01/02-20-L-LUK-1172-A



| Surface type: Artificial Grass Ambient temp: 24°C Surface temp: 24°C Test date: 14 August 2020 | Surface name: M | atchplay 2 | | | | Humidity: | 52% | Τe | est laboratory: | Labosport I | _td |
|--|------------------------|----------------|--------|-------------|--------|---------------|--------|--------|-----------------|-------------|--------|
| Mean ball temp: 24.4°C Vix 30.07 30.17 29.76 29.98 30.13 29.94 30.02 30.16 30.11 Viy 9.09 9.05 8.85 9.16 9.06 9.01 9.01 9.06 9.15 9.79 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.02 9.17 9.70 9.80 9.11 9.72 9.77 9.80 9.80 9.81 9.78 9.80 9.81 9.85 9.66 9.01 9.79 9.80 9.80 9.81 9.85 9.66 9.01 9.70 9.8 | Surface type: Ar | tificial Grass | Am | bient temp: | 24°C | Surface temp: | 24°C | Te | est date: | 14 August 2 | 2020 |
| Mean ball temp: 24.4°C Vix 30.07 30.17 29.76 29.98 30.13 29.94 30.02 30.16 30.11 Viy 9.09 9.05 8.85 9.16 9.06 9.01 9.01 9.06 9.15 9.79 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.16 9.06 9.01 9.01 9.06 9.15 9.17 9.16 9.06 9.01 9.01 9.16 9.05 9.15 9.16 9.05 9.16 9.16 9.05 9.16 9.16 9.16 9.06 9.01 9.16 9.05 9.16 9.16 9.16 9.16 9.16 9.16 9.06 9.01 9.16 9.1 | CAMDLE 1. | | Shot 1 | Shot 2 | Shot 2 | Shot 1 | Shot E | Shot 6 | Shot 7 | Shot 9 | Shot 0 |
| Viy 9.09 9.05 8.85 9.16 9.06 9.01 9.01 9.06 9.15 Vfx 19.40 19.44 19.52 18.90 19.18 19.67 18.93 19.72 19.79 Vfy 7.31 7.30 7.07 7.46 7.43 7.13 7.28 7.37 7.16 CORt 0.80 0.80 0.79 0.81 0.82 0.79 0.80 0.81 0.78 COF 0.65 0.66 0.64 0.67 0.66 0.64 0.68 0.64 0.63 CPR 36.4 35.5 38.0 33.3 32.7 39.8 32.9 36.6 41.5 SAMPLE 2: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Wix 29.68 30.03 29.44 29.71 29.77 29.46 29.69 30.35 30.36 Vix 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vix 28.80 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vix 28.80 9.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vix 28.90 9.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vix 28.90 9.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vix 28.90 9.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vix 28.90 9.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vix 28.90 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vix 28.90 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vix 28.90 29.76 30.25 30.50 29.80 30.50 29.69 29.79 29.94 Vix 28.90 29.76 30.25 30.57 29.80 30.50 29.69 29.79 29.94 Vix 28.90 | | | | | | | | | | | |
| Vix | Mean ball temp: 24.4° | | | | | | | | | | |
| Vfy 7.31 7.30 7.07 7.46 7.43 7.13 7.28 7.37 7.16 7.80 7.46 7.43 7.13 7.28 7.37 7.16 7.80 7 | | | | | | | | | | | |
| CORt 0.80 0.80 0.79 0.81 0.82 0.79 0.80 0.81 0.78 COF 0.65 0.66 0.64 0.67 0.66 0.64 0.68 0.64 0.63 CPR 36.4 35.5 38.0 33.3 32.7 39.8 32.9 36.6 41.5 SAMPLE 2: | | | | | | | | | | | |
| COF 0.65 0.66 0.64 0.67 0.66 0.64 0.68 0.64 0.63 CPR 36.4 35.5 38.0 33.3 32.7 39.8 32.9 36.6 41.5 SAMPLE 2: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 6 Shot 7 Shot 9 Vix 29.68 30.03 29.44 29.71 29.77 29.46 29.69 30.35 30.36 Vix 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Viy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 SAMPLE 3: Shot 1 Shot 2 <th< th=""><th></th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<> | | - | | | | | | | | | |
| SAMPLE 2: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.68 30.03 29.44 29.71 29.77 29.46 29.69 30.35 30.36 Viy 8.85 9.06 8.77 8.92 8.86 8.86 9.05 9.22 9.13 Vfx 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: <th></th> | | | | | | | | | | | |
| SAMPLE 2: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 5 Shot 6 Shot 7 Shot 5 Shot 9 30.35 30.36 99.69 30.35 30.35 30.36 99.69 30.35 30.35 30.36 99.29 8.86 8.86 9.05 9.22 9.13 Vfx 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.67 7.22 7.22 7.26 7.08 7.22 7.26 7.08 7.22 7.26 7.08 7.22 7.26 7.08 7.26 7.08 7.26 7.08 7.26 7.08 </th <th></th> | | | | | | | | | | | |
| Mean ball temp: 24.4°C Vix 29.68 30.03 29.44 29.71 29.77 29.46 29.69 30.35 30.36 Viy 8.85 9.06 8.77 8.92 8.86 8.86 9.05 9.22 9.13 Vfx 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | CPR | 36.4 | 35.5 | 38.0 | 33.3 | 32.7 | 39.8 | 32.9 | 36.6 | 41.5 |
| Viy 8.85 9.06 8.77 8.92 8.86 8.86 9.05 9.22 9.13 Vfx 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.81 0.82 0.79 CORT 0.70 0.70 0.70 0.81 0.77 0.81 0.77 0.81 0.75 0.75 0.75 CORT | SAMPLE 2: | | Shot 1 | Shot 2 | Shot 3 | Shot 4 | Shot 5 | Shot 6 | Shot 7 | Shot 8 | Shot 9 |
| Viy 8.85 9.06 8.77 8.92 8.86 8.86 9.05 9.22 9.13 Vfx 19.59 19.15 18.96 18.87 19.20 19.09 19.41 19.67 19.74 Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 CORT 0.79 0.70 0.70 0.77 0.81 0.81 0.79 0.79 CORT 0.70 0.70 0.70 0.70 0.70 0.70 0.70 CORT 0.70 0.70 0.70 0.70 0.70 0.70 CO | Mean ball temp: 24.4° |) Vix | 29.68 | 30.03 | 29.44 | 29.71 | 29.77 | 29.46 | 29.69 | 30.35 | 30.36 |
| Vfy 7.17 7.09 7.02 7.30 7.27 7.29 7.26 7.08 7.22 CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 <th></th> <th></th> <th>8.85</th> <th>9.06</th> <th>8.77</th> <th>8.92</th> <th>8.86</th> <th>8.86</th> <th>9.05</th> <th>9.22</th> <th>9.13</th> | | | 8.85 | 9.06 | 8.77 | 8.92 | 8.86 | 8.86 | 9.05 | 9.22 | 9.13 |
| CORt 0.81 0.78 0.80 0.81 0.82 0.82 0.80 0.76 0.79 COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.81 0.82 0.79 | | Vfx | 19.59 | 19.15 | 18.96 | 18.87 | 19.20 | 19.09 | 19.41 | 19.67 | 19.74 |
| COF 0.63 0.67 0.66 0.67 0.66 0.64 0.63 0.66 0.65 CPR 37.6 37.4 35.7 32.5 33.5 34.5 38.8 41.4 38.6 SAMPLE 3: Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.81 0.82 0.79 | | Vfy | 7.17 | 7.09 | 7.02 | 7.30 | 7.27 | 7.29 | 7.26 | 7.08 | 7.22 |
| SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | CORt | 0.81 | 0.78 | 0.80 | 0.81 | 0.82 | 0.82 | 0.80 | 0.76 | 0.79 |
| SAMPLE 3: Shot 1 Shot 2 Shot 3 Shot 4 Shot 5 Shot 6 Shot 7 Shot 8 Shot 9 Mean ball temp: 24.4°C Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | COF | 0.63 | 0.67 | 0.66 | 0.67 | 0.66 | 0.64 | 0.63 | 0.66 | 0.65 |
| Vix 29.60 29.76 30.22 30.57 29.80 30.50 29.69 29.79 29.94 Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | CPR | 37.6 | 37.4 | 35.7 | 32.5 | 33.5 | 34.5 | 38.8 | 41.4 | 38.6 |
| Viy 8.83 9.04 9.20 9.35 8.98 9.24 8.87 8.82 9.09 Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | SAMPLE 3: | | Shot 1 | Shot 2 | Shot 3 | Shot 4 | Shot 5 | Shot 6 | Shot 7 | Shot 8 | Shot 9 |
| Vfx 18.90 19.09 19.47 19.85 19.92 19.62 19.19 19.40 19.39 Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | Mean ball temp: 24.4°0 | C Vix | 29.60 | 29.76 | 30.22 | 30.57 | 29.80 | 30.50 | 29.69 | 29.79 | 29.94 |
| Vfy 6.98 7.39 7.34 7.53 6.99 7.53 7.26 7.26 7.26 CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | Viy | 8.83 | 9.04 | 9.20 | 9.35 | 8.98 | 9.24 | 8.87 | 8.82 | 9.09 |
| CORt 0.79 0.81 0.79 0.80 0.77 0.81 0.81 0.82 0.79 | | Vfx | 18.90 | 19.09 | 19.47 | 19.85 | 19.92 | 19.62 | 19.19 | 19.40 | 19.39 |
| | | Vfy | 6.98 | 7.39 | 7.34 | 7.53 | 6.99 | 7.53 | 7.26 | 7.26 | 7.26 |
| COF 0.68 0.65 0.65 0.64 0.62 0.65 0.65 0.65 0.65 | | CORt | 0.79 | 0.81 | 0.79 | 0.80 | 0.77 | 0.81 | 0.81 | 0.82 | 0.79 |
| | | COF | 0.68 | 0.65 | 0.65 | 0.64 | 0.62 | 0.65 | 0.65 | 0.65 | 0.65 |
| CPR 35.9 34.6 37.5 37.8 43.5 35.0 34.3 34.0 37.8 | | CPR | 35.9 | 34.6 | 37.5 | 37.8 | 43.5 | 35.0 | 34.3 | 34.0 | 37.8 |

Test Results - Court Pace:

01/02-20-L-LUK-1172-A



Surface name: Matchplay 2

Surface type:

Artificial Grass

Ambient temp:

24°C

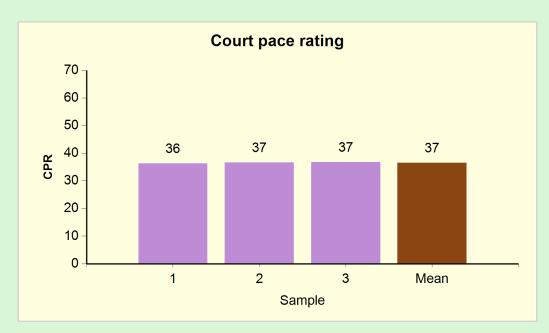
Humidity: 52%

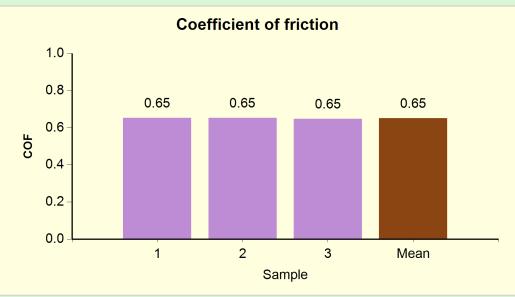
Surface temp: 24°C Test laboratory:

Labosport Ltd

14 August 2020 Test date:







| Summary | | | | | | | | | |
|------------------|--|--------------|-----------------------|------------|--|--|--|--|--|
| | COR | COF | CPR | | | | | | |
| Mean | 0.80 | 0.65 | 37 | | | | | | |
| SE | 0.00 | 0.00 | 1 | | | | | | |
| Range | 0.00 | 0.01 | 0 | | | | | | |
| COF Low (0 - 0.5 | n: 78) Medium (0.79 - 0.84) 55) Medium (0.56 - 0.70) 9) Medium-slow (30 - 34) | High (0.71+) | Medium-fast (40 - 44) | Fast (45+) | | | | | |

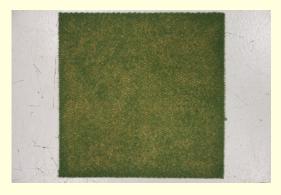
Test Results - Court Pace: 01/02-20-L-LUK-1172-A

Surface name:

Matchplay 2

Surface type: **Artificial Grass** Test laboratory: Labosport Ltd Test date: 14 August 2020

Full description of court surface - including manufacturer's reference, the type of supporting layers and their method of attachment:





Carpet characteristics

Yarn:

Polypropylene

Dtex:

0

Tuft characteristics

Infill

Pile weight (g/m²): 1220

Type of infill:

sub-angular to rounded sand

Pile height (mm): 7

Stitch rate (/m):

0

Infill grading (mm): 0.2 - 0.7

Infill rate (kg/m²):

Stitches (/m²): Tufts (/m²):

0 0

Infill height:

Underfilled by 2 mm

Line markings:

Pre-cut lines installed on site

Laboratory comments:

Although the tests were carried out on laboratory samples the appearance and finish of the test specimens was considered by Labosport to be representative of the surface when laid as a tennis court.

A tennis court surface is defined as the top (playing) surface and any underlying layers of the construction that influence the sports performance (or biomechanical) response of a court. If any elements of the surface's construction change the response, performance and classification of the surface may be different. As such the results detailed in this report only apply to the surface when laid on a rigid (concrete, asphalt, etc.) base.

Laboratory recommendations:

The results detailed in this report are considered to be a valid assessment of the Court Pace characteristics of the product. In Labosport's opinion the product satisfies the technical criteria required of tennis court surfaces wishing to appear in the ITF Court Pace Classification Programme. Labosport recommend, subject to ITF approval, that the surface is included on the list of classified surfaces.

General information:

Indoor and outdoor Use:

Stabilisation time (days): 7

Yes Permeable:

Installation time (days): 2

Additional test information:

Test ball: ITF High Specification 2019 (THA)