

ISSS Technical Meeting 2008



Assessing Site Wear against LISport Wear

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Synopsis

- What is SAPCA?
- Background
- Why use the LISport?
- 3G Surfaces
- Site Vs LISport Results
- Other Research Projects



What is SAPCA

- UK Trade organization for sports and play facilities industry.
- 230 members including Test House, Manufacturers, Contractors, Governing Bodies, etc...
- Improve standards and training
- Building for better sport and play



Issues Concerning all Synthetic Turf

- Sustainable Sports Performance
- Durability
- Maintainability
- Installation Integrity
- Value for Money – Affordability in Longer Term



Affects of Wear



Affects of Wear



LISport Device



LISport – Advantages & Disadvantages

Advantages:

- Excellent mechanical simulation of use
- Time frame
- Recognized by most governing bodies

Disadvantages:

- Sample size (small – i.e. Ball Roll not possible)
- No environmental degradation



Site Wear Vs LISport Wear – Force Reduction

Site (app. 50 h per week use)

New – 65 %

Year 1 – 63 %

Year 2 – 62 %

Year 3 – 61 %

Year 4 – 60 %

LISport Wear

New – 65 %

2000 Cycles – 63 %

4000 Cycles – 62 %

6000 Cycles – 62 %

Est. 1 year is similar to 2000 cycles



N.B. Estimated values.



Site Wear Vs LISport Wear – Ball Rebound

| Site (app. 50 h per week use) | LISport Wear |
|-------------------------------|----------------------|
| New – 0.82 m | New – 0.82 m |
| Year 1 – 0.84 m | 2000 Cycles – 0.82 m |
| Year 2 – 0.85 m | 4000 Cycles – 0.83 m |
| Year 3 – 0.85 m | 6000 Cycles – 0.84 m |
| Year 4 – 0.86 m | |

Less change with LISport than on site?

Possible reason environmental issues including detritus collection



N.B. Estimated values.



Other Projects

Water Attenuation (and water quality) – 3 year PhD at
Loughborough University

Evaluation of Boll Roll – including an investigation of player
perceptions and preferences

Codes of practice for construction

Educational Program – raise standards



www.sapca.org.uk



Questions

Any Questions?

