

## CEN TC 217 Working Group 6 "Synthetic Turf"

Meeting of WG6 on February 22 and 23, 2005, in Paris

"Surfaces for outdoor sports areas - Determination of resistance to wear of synthetic turf"  
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The discussion focused on the question of comparability of test results when using the Lisport device developed by Labosport and the Linear Tester developed by ISA. This was based on the paper N 576 "Simulated Wear" dated February 2005 and prepared by ISA. It reports the results of comparison tests which were performed by 5 different labs, each with its own Lisport device, during the summer of 2004 on 4 different surface products (2 sand-filled, 2 rubber/sand-filled). Before and after the test Standard Deformation and Force Reduction were determined. The results are shown on the next page in an alternate graph format than was presented in the WG6 meeting.

The differences in the results are appalling. Lab2 shows values which are generally about 4mm less than Lab4 (Deformation). The range of results (i.e. differences) with Force Reduction is around 10-12 % (absolute) with no significant dependency of any lab. These results are considered to be mainly due to sample preparation. Therefore, the EN standard for sample preparation needs to be reviewed (task was assigned to Desso/DLW).

It was reported that a special comparison test was performed when a turf sample was prepared, after which it was exposed to wear in one of the test devices and then tested for Force Reduction by the same person. Although it was stated that these tests between the two devices revealed no differences, questions remained since this statement was provided by only one delegate.

The differences in design between the Lisport Device and Linear-Tester are as follows:

	Lisport Device	Linear Tester
Creating Slip by	mechanically enforced	electronically controlled
Moving sideways	yes	no

It is important to be aware of this high degree of uncertainty.

HJK  
28.2.05

