



BIOMECHANICA

SPORTS SURFACE IMPACT TEST REPORT

Test date: August 12 , 2008

Report date: August 12 , 2008

Field Description and Condition :

Weather Conditions:

Temperature : 80 °F

Humidity : 42. 0%

Test Method:

ASTM F 355 : Standard Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials, Procedure A.

Summary of Results:

| | gmax | SI | HIC | Surf °F | V1 m/s |
|--|-------|-------|-------|------------|-----------|
| Brock Powerbase PB2400 w/ no-infill carpet monofilament | 92.5 | 284.3 | 246.0 | 79 | 2.90 |
| Brock E24 w/ no-infill carpet with fiber length of 1-3/4 inches on 3/8 inch centers - monofilament | 91.9 | 286.9 | 251.3 | 79 | 2.91 |
| Brock Performance Base UBT 4523.1 w/ no-infill carpet | 94.7 | 289.4 | 248.4 | 79 | 2.91 |
| Brock E12 w/ no-infill carpet with fiber length of 1-3/4 inches on 3/8 inch centers - monofilament | 114.7 | 371.7 | 319.1 | 79 | 2.92 |

Test results reported herein reflect the conditions of the tested field at the time of testing and at the temperature(s) reported.

Jennifer A. Himmelsbach, M.S.
File: BROCK 08-12-08.355



425 SE NINTH AVE
PORTLAND, OR 97214
WWW.BIOMECHANICA.COM
503-452-0350

SPORTS SURFACE IMPACT TEST REPORT

Test date: August 12 , 2008

Report date: August 12 , 2008

| Test Point | Drop # | gmax | SI | HIC | Surf °F | V1 m/s |
|------------|--------|-------|-------|-------|---------|--------|
| 1 | 1 | 85.8 | 259.7 | 229.5 | 79 | 2.93 |
| | 2 | 92.0 | 284.5 | 246.6 | 79 | 2.91 |
| | 3 | 93.1 | 284.1 | 245.4 | 79 | 2.90 |
| | Av23 | 92.5 | 284.3 | 246.0 | 79 | 2.90 |
| 2 | 1 | 85.1 | 259.8 | 229.4 | 79 | 2.93 |
| | 2 | 90.1 | 273.6 | 240.6 | 79 | 2.92 |
| | 3 | 93.8 | 300.2 | 262.0 | 79 | 2.90 |
| | Av23 | 91.9 | 286.9 | 251.3 | 79 | 2.91 |
| 3 | 1 | 84.8 | 254.8 | 226.8 | 79 | 2.93 |
| | 2 | 94.2 | 294.1 | 251.7 | 79 | 2.91 |
| | 3 | 95.2 | 284.8 | 245.2 | 79 | 2.92 |
| | Av23 | 94.7 | 289.4 | 248.4 | 79 | 2.91 |
| 4 | 1 | 99.5 | 310.7 | 275.9 | 79 | 2.94 |
| | 2 | 112.8 | 370.8 | 319.9 | 79 | 2.92 |
| | 3 | 116.5 | 372.5 | 318.3 | 79 | 2.92 |
| | Av23 | 114.7 | 371.7 | 319.1 | 79 | 2.92 |

File: BROCK 08-12-08.355

SPORTS SURFACE IMPACT TEST REPORT

Test date: August 12 , 2008

Report date: August 12 , 2008

