

Eva Eriksson Design AB
Fiskhammsgatan 10, 5 tr
414 55 GÖTEBORG
Sweden

Test on furniture pads

(1 appendix)

1 Introduction

A comparison test on furniture pads has been carried out by SP in Borås for Eva Eriksson Design AB.

2 Test objects

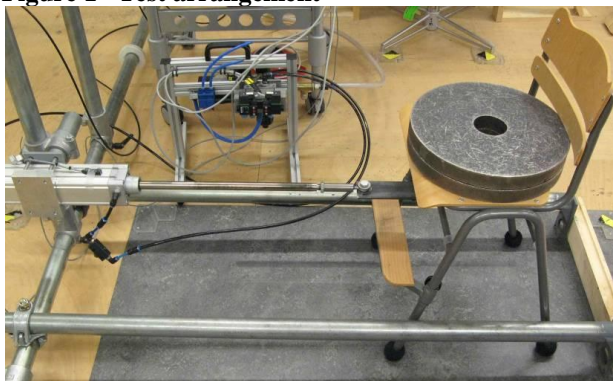
Silent Socks A
Silent Socks B1 and B2
Silent Socks C1 (polyester and lycra thread) and C2 (wool)
Tennis balls 1 and 2
IKEA Furniture pad Praktisk
Ackurat Furniture pad

The test objects were selected by the client and received by SP on 9 Nov 2009.
SP has no knowledge of the age or previous processing of the test objects.

3 Test methods and execution

The furniture pads were attached to the feet of a chair which was loaded with a weight of 50 kg. The chair was drawn back and forth over a distance of 0.4 m at a speed of about 0.1 m/s. The test surface was a standard linoleum of the type commonly found in classrooms and nurseries.

Figure 1 Test arrangement



SP Technical Research Institute of Sweden

Postal address
SP
Box 857
SE-501 15 BORÅS
Sweden

Office location
Västeråsen
Brinellgatan 4
SE-504 62 BORÅS

Phone / Fax / E-mail
+46 10 516 50 00
+46 33 13 55 02
info@sp.se

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Each test object was subjected to a max of 40 000 cycles, which corresponds to a distance 32 km. The results are presented in table 1

The tests were performed between 11 Nov and 16 Dec 2009.

4 Results

Table 1

Test object	cycles	comments
Silent Socks A	40 000	Test ended, test object still intact
Silent Socks B1	40 000	Test ended, test object still intact.
Silent Socks B2	40 000	Test ended, test object still intact
Silent Socks C (polyester)	23 000	Test object worn out
Silent Socks C (wool)	5 000	Test object worn out
Tennis ball 1	23 000	Test ended, test object very worn, marks starting to appear on the linoleum
Tennis ball 2	23 000	Test ended, worn
IKEA	15	Test ended when the pads came away from the chair
Ackurat	700	Test ended, pads were so hard that the linoleum was ripped

Images of test objects after testing are shown in appendix 1.

The test results apply solely to the tested test objects.

SP Technical Research Institute of Sweden Wood Technology

Performed by

Examined by

Bengt-Åke Andersson

Hans Eriksson

Appendix

1 Images of test objects after completed tests

Appendix 1

SILENT SOCKS A

Figure 2 Silent Socks A after 40 000 cycles



Appendix 1

SILENT SOCKS B1

Figure 3 Silent Socks B1 after 40 000 cycles



Appendix 1

SILENT SOCKS B2

Figure 4 Silent Socks B2 after 40 000 cycles



Appendix 1

SILENT SOCKS C1

Figure 5 Silent Socks C1 after 23 000 cycles



Appendix 1

SILENT SOCKS C2

Figure 6 Silent Socks C2 after 5 000 cycles



Appendix 1

TENNIS BALL 1

Figure 7 Tennis ball 1 after 23 000 cycles



Appendix 1

TENNIS BALL 2

Figure 8 Tennis ball 2 after 23 000 cycles



Appendix 1

IKEA PRAKTISK

Figure 9 Ikea Furniture pad Praktisk



Appendix 1

ACKURAT

Figure 10 Ackurat furniture pad

