
Ordered by Sisustusliike ZAZA
Annankatu 23
00100 HELSINKI

Order Telephone call on 15 April 1999/Sirkka Hoppula

Contact at VTT Technician Eero Halonen
VTT Building Technology
Box 1806
02044 VTT
Tel. (09) 456 5564
Fax (09) 456 7027

Task **To test a chair**

Samples Chair supplied by the client on 19 April 1999.

Date and place of testing

The tests on the chair were carried out at VTT Building Technology at Puumiehenkuja 2 during the period from 19 to 23 April 1999.

Tested structures

Client's code: GLOBUS

Frame: Tubular frame Ø 16 mm; frame components joined by welding

Seat: Plywood with padding and upholstery; seat fixed to the frame with four plastic fastenings attached to the seat with two screws

Backrest: Moulded plywood, lacquered; backrest fixed to the frame with six pop rivets

Performance of the task

Resistance to wear of the seat and backrest were tested according to sections 7.5 and 7.6 of the ISO 7173 Standard.

This laboratory (T036) is accredited by the Centre for Metrology and Accreditation to carry out tests in accordance with sections 7.5 and 7.6 of the ISO 7173 Standard.

The test method is illustrated in Fig. 1.

The force applied to the seat was 950 N.

The force applied to the backrest was 350 N.

The test cycle was repeated 25,000 + 25,000 + 50,000 times, the total number of cycles being 100,000.

The seat and backrest were tested simultaneously so that force was first applied to the seat and then to the backrest while the seat remained subjected to the test load.

(Fig. 1) Testing the wear resistance of the seat and backrest.

Test results

Following the tests, no damage or deformation were detected in the frame, seat or backrest of the chair or their fixings.

Discussion of the results

The results apply for the tested products only.

Espoo, 26 April 1999

Antti Järvi
Team Manager

Eero Halonen
Technician

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