

REPORT

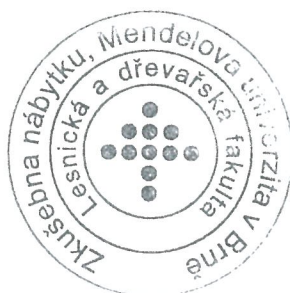
on tests

Report Reference No.	N-008-17
Product Name	Folding seat for cinemas and theaters, the LIBERTY model
Applicant's Name	SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava Slovakia ID No. 36 31 57 88
Manufacturer	SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava Slovakia ID No. 36 31 57 88
Tests carried out by	Ing. Josef Hlavatý, Ph.D.
Report made by	Ing. Josef Hlavatý, Ph.D.
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The test results relate to the subject of these tests and do not imply approval and certification of the said product. This report may not be reproduced other than in full except with the written consent of the Furniture Testing Laboratory.

The Czech version of the test protocol is crucial in case of litigation.

Person responsible for the accuracy of this Report



Ing. Miroslav Zapletal
Head of the Furniture Testing Laboratory

1. GENERAL

1.1 Party requesting the tests:

SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava, Slovakia.

1.2 Purpose of tests:

Verification of the mechanical properties of the Folding seat for cinemas and theaters, the LIBERTY model.

2. DETAILS OF THE RECEIPT OF SAMPLES

2.1 Receipt of samples:

The sample to be tested in the quantity of 1 (one) piece of furniture was delivered to the Furniture Testing Laboratory on May 23, 2017 by the party requesting the tests. Samples were taken over by the technician of the Furniture Testing Laboratory - Ing Josef Hlavatý, Ph.D.

2.2 Identification of samples:

Sample No. 1 (Reg. No. 06/2017) – Folding seat for cinemas and theaters, the LIBERTY model.

3. DESCRIPTION OF SAMPLES

3.1 Technical documentation and drawings:

The party requesting the tests delivered neither technical documents nor drawings.

3.2 Description of test sample

Sample No. 1 – Folding seat for cinemas and theaters, the LIBERTY model

Material of construction:

A metal welded seat and armrest frame are structurally coupled to each other by a hinged lifting mechanism around horizontal axis without a spring mechanism. The armrest part is connected to the concrete structure of the construction by means of a metal profile to the horizontal side of the degree- the floor- by two screws Ø 10 mm. Comfortable upholstered seat and armrest. Both the seat and the armrest are trimmed from the bottom and back side by plywood. The folding of the seat is done by two plastic slotted links with two pins. Silent folding is secured through rubber stoppers in the rocker.

4. PRODUCT TESTING

4.1 Testing commenced on: 24.05.2017

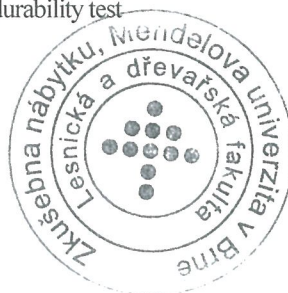
Testing finished on: 10.06.2017

4.2 Testing location: Mendel University in Brno – Furniture Testing Lab, Lesnická 39, 613 00 Brno.

4.3 The test methods and procedures:

ČSN EN 12727 Furniture - Ranked seating - Test methods and requirements for strength and durability - Table 1, loading group 3 - general.

- Seat and backrest static load test
- Backrest edge static load test
- Combined seat and backrest durability test
- Seat impact test
- Backrest impact test



Measuring and testing equipment:

- Universal machine for furniture testing
- Test equipment for impact tests
- Calibrated force-measuring clamp
- Calibrated tape measure

5. TEST RESULTS

5.1 Seat and back static load test ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.3

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.3 - vertical force of 2 000 N, horizontal force of 760 N, 10 x 10 s.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.2 Vertical static test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.5

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.5 - vertical force of 900 N, 10 x 10 s.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.3 Arm sideways static load test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.6

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.6 - vertical force of 900 N, 10 x 10 s.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.4 Arm downwards static load test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.7

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.7 - vertical force of 1000 N, 10 x 10 s.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.5 Combined seat and back durability test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.8

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12520, table 1, Clause 6.8 - vertical force of 950 N, horizontal force of 330 N, 150 000 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.6 Seat front edge durability test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.9

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12520, table 1, Clause 6.9 - vertical force of 950 N, 150 000 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.7 Seat impact test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.11

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.11 - fall height 300 mm, 10 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.8 Back impact test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.12

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.12 - fall height 620 mm, 10 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.9 Arm impact test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.13

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.13 - fall height 620 mm, 10 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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5.10 Tipping seat operation test on back ČSN EN 12727 Furniture - Ranked seating - Requirements for strength and durability Clause 6.14

Test conditions according to ČSN EN 12727, table 1, Clause 6.14 - 50000 cycles.

Test result	<u>The test sample without mechanical damage, loose connections and no structural damage.</u>
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6. PHOTOGRAPHIC DOCUMENTATION



Photo 1 – Folding seat for cinemas and theaters, the LIBERTY model