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WOOD TECHNOLOGY CENTRE TESTING LABORATORY OF WOOD, WOOD-BASED MATERIALS, PACKAGING, FURNITURE AND CONSTRUCTIONS

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AB 088

FURNITURE TESTING SECTION

Poznań, 2023-05-11



TEST REPORT

BDD-23-A-1672

Subject of the order Tests of PAULINE 3-seater with legs.
Order No. PZ/A/DBD/BDD/1672/23
Name and address FLOKK sp. z o.o.
of the client/manufacture ul. Górnicza 8
producer 62-700 Turek
Performance date 2023-05-11
Operators Michał Rogoziński, Adam Remlein

Compiled by

Authorized by

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Michał Rogoziński

Marek Kalbrun

A qualified electronic signature has been affixed to this document, which according to the law is equivalent to written form.

1. IDENTIFICATION (DESCRIPTION OF THE TESTED OBJECT)

The tested object was PAULINE 3-seater with legs, ordered for the tests by the company FLOKK sp. z o.o. The sample for tests was chosen by the orderer.

2. DATE THE OBJECT WAS RECEIVED FOR TESTING

The test sample was delivered for tests 2023-04-06.



3. SYMBOL AND NAME OF THE TEST METHOD APPLIED

The tests were carried out according to the standards:
PN-EN 16139:2013/AC:2013 Furniture - Strength, durability and safety - Requirements for non-domestic seating” test level 1,
Test Method 2D.

4. LIST OF MEASURING APPARATUSES

The following equipment was used for the tests:

- seating furniture testing apparatus No. D1/B2,
- loading point setting template No. D3/P09
- force measuring set AST No. D2/04,
- metal measuring tape No. D2/19,
- furniture drop test rig D3/B2, D3/N04,
- furniture test rig D2/13,
- furniture stability testing apparatus No. D3/B1A-B,

The equipment was currently checked before use.

5. TEST RESULTS

Test results are shown in protocol No. 1/1672.

6. STATEMENT

Test results described in protocol refer only to the tested sample.

Test report can not be copied in parts only as entire form.

PROTOCOL No. 1/1672
NON-DOMESTIC SEATING STRENGTH, DURABILITY AND SAFETY TESTS

According to: PN-EN 16139:2013/AC:2013, test level 1
 Tested object: **PAULINE 3-seater with legs**
 Orderer: **FLOKK sp. z o.o.**
 Order No.: PZ/A/DBD/BDD/1672/23

| Listing acc. PN-EN 16139 | Type of test | Test parameters | Test results | | |
|-----------------------------|--|-----------------|--|--|----------------|
| 4.1 | Safety – General | acc. norm | pass | | |
| 4.2.1 | Shear and squeeze points when setting up and folding | acc. norm | pass | | |
| 4.2.2 | Shear and squeeze points under influence of powered mechanisms | acc. norm | pass | | |
| 4.2.3 | Shear and squeeze points during use | acc. norm | pass | | |
| 4.3.1 | Stability - General | acc. norm | pass | | |
| 4.3.2 | Swiveling chairs | - | not applicable | | |
| 4.3.3 | Non swiveling chairs | acc. norm | pass | | |
| 4.4 | Rolling resistance of the unloaded chair | - | not applicable | | |
| 4.5 | Safety of the construction | acc. norm | pass | | |
| 5 | Safety, strength and durability requirements | acc. norm | pass | | |
| 6 | Table 1 | 1 | Seat and back static load test | $P_1=1600\text{ N}$, $P_2=560\text{ N}$, $n=10$ | pass |
| | | 2 | Seat front edge static load test | $P=1300\text{ N}$, $n=10$ | pass |
| | | 3 | Vertical static load on back | $P_1=600\text{ N}$, $P_2=1300\text{ N}$, $n=10$ | pass |
| | | 4 | Foot rest and leg rest static load test | - | not applicable |
| | | 5 | Arm sideways static load test | $P=400\text{ N}$, $n=10$ | pass |
| | | 6 | Arm downwards static load test | $P=750\text{ N}$, $n=5$ | pass |
| | | 7 | Vertical upwards static load on arm rest | - | not applicable |
| | | 8 | Seat and back durability test | $P_1=1000\text{ N}$, $P_2=300\text{ N}$ $n=100\ 000$ | pass |
| 6 | Table 1 | 9 | Seat front edge durability test | $P=800\text{ N}$, $n=50\ 000$ | pass |
| | | 10 | Arm durability test | $P=400\text{ N}$, $n=30\ 000$ | pass |
| | | 11 | Foot rest durability test | - | not applicable |
| | | 12 | Leg forward static load test | $P_1=500\text{ N}$, $P_2=1000\text{ N}$, $n=10$ | pass |
| | | 13 | Leg sideways static load test | $P_1=400\text{ N}$, $P_2=1000\text{ N}$, $n=10$ | pass |
| | | 14 | Seat impact test | $h=240\text{ mm}$, $n=10$ | pass |
| | | 15 | Back impact test | $h=210\text{ mm}$, $n=10$ | pass |
| | | 16 | Arm impact test | $h=210\text{ mm}$, $\alpha=38^\circ$, $n=10$ | pass |
| | | 17 | Drop test (multiple seating) | - | not applicable |
| | | 18 | Auxiliary writing surface static load test | - | not applicable |
| | | 19 | Auxiliary writing surface durability test | - | not applicable |
| 7 | Information for use | acc. norm | pass | | |

PROTOCOL No. 2/1672
SEATING FURNITURE STABILITY

According to: PN-EN 1022:2019
Tested object: **PAULINE 3-seater with legs**
Orderer: **FLOKK sp. z o.o.**
Order No.: PZ/A/DBD/BDD/1672/23

| Test Number acc. PN-EN 1022 | Test type acc. PN-EN 1022 | Test results |
|--------------------------------|---|----------------|
| 7.3.1 | Forwards overturning | pass |
| 7.3.2 | Forwards overturning for seating with foot rest | not applicable |
| 7.3.3 | Corner stability test | not applicable |
| 7.3.4 | Sideways overturning, all seating without arm rests | not applicable |
| 7.3.5.2 | Seating with arm rests | pass |
| 7.3.5.3 | Seating with raised side edges | not applicable |
| 7.3.6 | Rearwards overturning all seating with back rest | pass |
| 7.4.2 | Tilting seating | not applicable |
| 7.4.3 | Reclining seating with leg rest | not applicable |
| 7.4.4 | Reclining seating without leg rest | not applicable |
| 7.4.5 | Rearwards stability test for rocking chairs | not applicable |
| 8.3.1 | Loungers – Forwards overturning | not applicable |
| 8.3.2 | Loungers – Sideways overturning | not applicable |

M. Rogoziński, A. Remlein
Operators

2023-05-11
Date

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