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Certificate No. LA.01.060

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## TEST REPORT No. BBC 24-180

27 05 2024

Vilnius

Determination of strength, durability and safety for

*Lay Low Pouffe*

Customer	UAB Fischer International
Address of customer	Siūlų g. 1, LT-45202 Kaunas
Application for test	A 24-089-3, date 23 04 2024
Date of receive test object	23 04 2024, sampling was made by the Customer
Indication of normative document	EN 16139:2013 including corrigendum EN 16139:2013/AC:2013, EN 1728:2012 including corrigendum EN 1728:2012/AC:2013, EN 1022:2023
Date of test	17 05 2024 (beginning) 27 05 2024 (end)

### Conclusion

*Lay Low Pouffe* **complies** with the standard EN 16139:2013 (Furniture – Strength, durability and safety – Requirements for non-domestic seating) level of test severity L1 requirements, except for the clause 7 *Information for use*.

Information for use was not supplied, clause 7 was not tested.

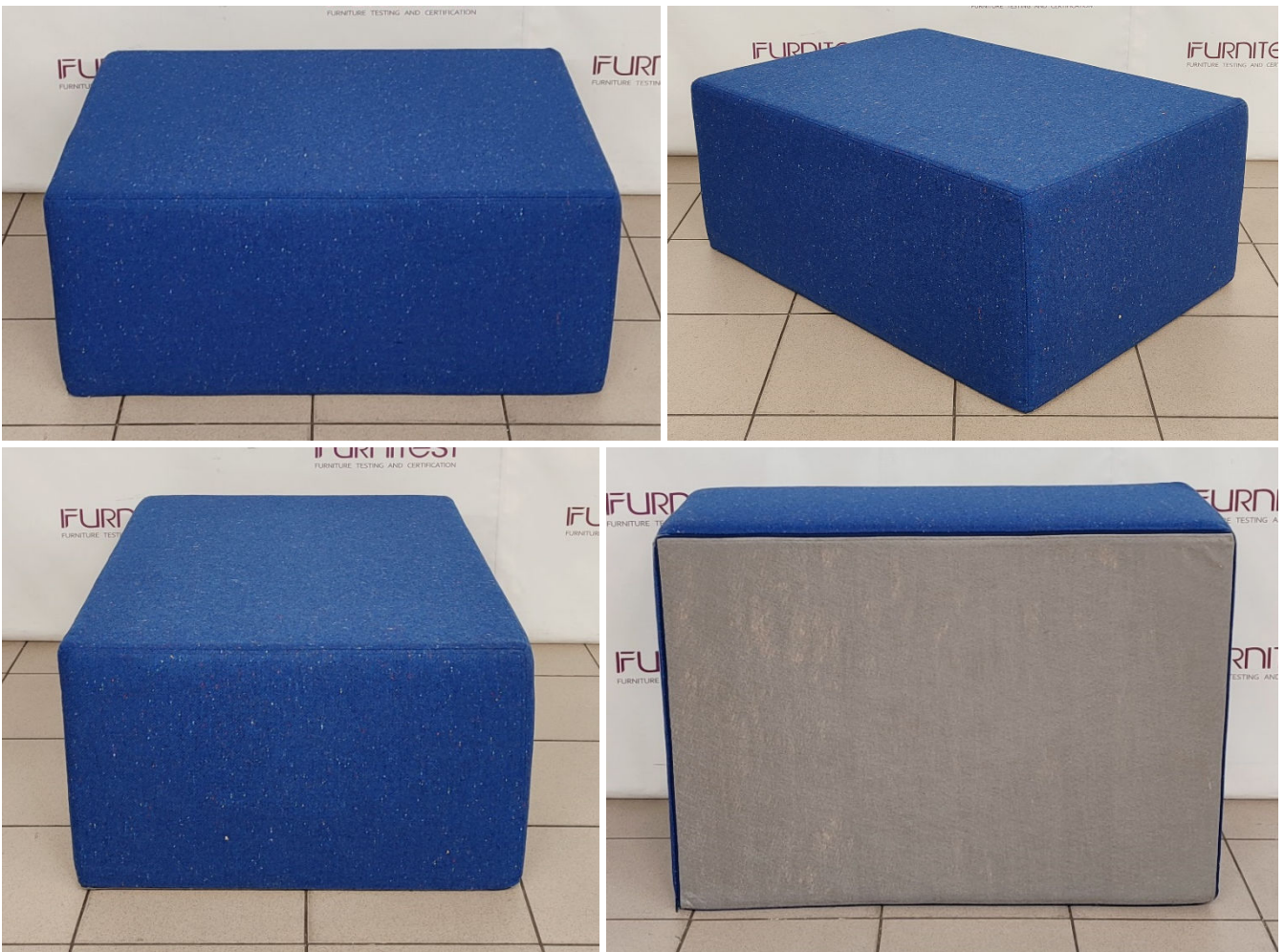
### Test object

*Lay Low Pouffe* with soft seat. Pouffe is made of (21x45) mm cross section pine wood components, 15 mm thickness OSB and 3 mm thickness fibre board. Soft part is made of foam. All external parts of pouffe are upholstered with fabric.

External dimensions of pouffe are: length 880 mm, width 630 mm, height 365 mm.

The description is provided for information purposes and can only be considered as informative. Sample delivered to the laboratory assembled. No visual defects were noted upon delivery of the sample.





**Figure 1.** *Lay Low Pouffe*

**Normative documents for requirements and test methods**

EN 16139:2013 including corrigendum EN 16139:2013/AC:2013 Furniture – Strength, durability and safety – Requirements for non-domestic seating.

EN 1728:2012 including corrigendum EN 1728:2012/AC:2013 Domestic furniture. Seating. Test methods for the determination of strength, and durability.

EN 1022:2023 Furniture - Seating - Determination of stability.

Test forces, masses, dimensions and angles are targeted at the nominal values specified. The numerical results are reported without taking into consideration the measurement uncertainty. Uncertainty of measurement values are available upon request.

*Lay Low Pouffe* was stored in the laboratory room at least 24 h prior testing. The tests were carried out in normal indoor ambient conditions at the temperature of  $(20\pm 5)^{\circ}\text{C}$ .



**Table 1. Lay Low Pouffe test results**

Reference	Test and parameters	Requirements	Remarks	Test result*
<b>4 Safety, EN 16139:2013</b>		<b>EN 16139:2013, 4.1</b>		
<b>4.1</b>	<b>General</b>			
4.1	All parts of the seating with which the user comes into contact, during intended use This requirement is met when:	shall be designed to ensure that physical injury and damage are avoided		
	- accessible corners	shall be rounded or chamfered	no remarks	pass
	- edges of seat, back rest and arm rests which are in contact with the user when sitting in the chair	shall be rounded or chamfered	no remarks	pass
	- the edges of handles in the direction of the force applied	shall be rounded or chamfered		N/A
	- all other edges accessible during use	shall be free from burrs and rounded or chamfered	no remarks	pass
	- ends of hollow components	shall be closed or capped		N/A
	Movable and adjustable parts	shall be designed so that injuries and inadvertent operation are avoided		N/A
	Load bearing part of the seating to come loose unintentionally	shall not be possible	no remarks	pass
	All parts that are lubricated to assist sliding	shall be designed to protect users from lubricant stains when in normal use		N/A
<b>4.2</b>	<b>Shear and squeeze points</b>	<b>EN 16139:2013, 4.2.1, 4.2.2, 4.2.3</b>		
4.2.1	Shear and squeeze points when setting up and folding  The edges of parts moving relative to each other and creating shear and squeeze points	unless 4.2.2 or 4.2.3 are applicable, because the user can be assumed to be in control of his movements and to be able to cease applying the force immediately on experiencing pain. shall be as specified in 4.1, 4.2.1		N/A
4.2.2	Shear and squeeze points under influence of powered mechanisms	shall be no shear and squeeze points created by parts of the seating		N/A
4.2.3	Shear and squeeze points during use	shall be no shear and squeeze points created by forces applied during normal use as well as during normal movements and actions	no remarks	pass
<b>4.3.3 Stability, EN 16139:2013</b>		<b>EN 16139:2013, 4.3.1, 4.3.3, 5</b>		
<b>Annex B, B.1 All seating other than loungers, table B.1, Loads – All other seating, EN 1022:2023</b>				
7.3.1, EN 1022:2023	Forwards overturning - force F <sub>1</sub> of 600 N, - force F <sub>2</sub> of 20 N	the seating shall not overturn (EN 1022:2023, 7.2)	no remarks	pass
7.3.2, EN 1022:2023	Forwards overturning for seating with foot rests - force F <sub>1</sub> of 600 N, - force F <sub>2</sub> of 20 N			N/A



Table 1. (continued)

Reference	Test and parameters	Requirements	Remarks	Test result*
7.3.3, EN 1022:2023	Corner stability - force $F_1$ of 300 N	the seating shall not overturn (EN 1022:2023, 7.2)	no remarks	pass
7.3.4, EN 1022:2023	Sideways overturning, all seating without arms - force $F_1$ of 600 N, - force $F_2$ of 20 N, - 1 cycle		no remarks	pass
7.3.5, EN 1022:2023	Sideways overturning, all other seating - force $F_1$ of 250 N, - force $F_2$ of 350 N, - force $F_3$ of 20 N			N/A
7.3.6, EN 1022:2018	Rearwards overturning, all seating with back rests - force $F_1$ of 600 N, - force $F_2$ of N			N/A
7.4.2 EN 1022:2023	Tilting seating - number of discs: 13, - 1 cycle			N/A
7.4.3, EN 1022:2023	Reclining seating with leg rest - number of discs – back: 8, - number of balancing discs: 3 - 1 cycle			N/A
7.4.4, EN 1022:2018	Reclining seating without leg rest - number of discs – back: 8, - number of balancing discs: 3 - 1 cycle			N/A
7.4.5, EN 1022:2023	Rearwards stability for rocking chairs - number of discs: 8 - 1 cycle			N/A
<b>6 Safety, strength and durability, EN 16139:2013, table 1, level of test severity L1</b>		<b>EN 16139:2013, 5</b>		
6.4 EN 1728:2012	1. Seat and back static load test - seat: force of 1600 N, - back: force of 560 N (min. force of 410 N), - 10 times	safety, strength and durability requirements are fulfilled when during and after testing: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) no major structural element is significantly deformed; d) the seating fulfils its functions after removal of the test loads	no remarks	pass
6.5 EN 1728:2012	2. Seat front edge static load test - force of 1300 N, - 10 times		no remarks	pass
6.6 EN 1728:2012	3. Vertical static load on back - seat load of 1300 N, - force of 600 N, - 10 times			N/A
6.8, 6.9 EN 1728:2012	4. Foot rest and leg rest static load test - force of 1300 N, - 10 times			N/A
6.10 EN 1728:2012	5. Arm sideways static load test - force of 400 N, - 10 times			N/A



Table 1. (continued)

Reference	Test and parameters	Requirements	Remarks	Test result*
6.11 EN 1728:2012	6. Arm downwards static load test - force of 750 N, - 5 times	safety, strength and durability requirements are fulfilled when during and after testing: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) no major structural element is significantly deformed; d) the seating fulfils its functions after removal of the test loads		N/A
6.13.1 6.13.2 EN 1728:2012	7. Vertical upwards static load on arm rests - seat load of 250 N, - lift 10 times during $\geq 10$ s			N/A
6.17 EN 1728:2012	8. Seat and back durability test - seat force of 1000 N, - back force of 300 N, - 100 000 cycles		no remarks	pass
6.18 EN 1728:2012	9. Seat front edge durability test - force of 800 N, - 50 000 cycles		no remarks	pass
6.20 EN 1728:2012	10. Arm durability test - force of 400 N, - 30 000 cycles			N/A
6.21 EN 1728:2012	11. Foot rest durability test - force of 1000 N, - 50 000 cycles			N/A
6.15 EN 1728:2012	12. Leg forward static load test - seat load of 1000 N, - force of 500 N - 10 times			N/A
6.16 EN 1728:2012	13. Leg sideways static load test - seat load of 1000 N, - force of 400 N, - 10 times			N/A
6.24 EN 1728:2012	14. Seat impact test - drop height of 240 mm, - 10 times		no remarks	pass
6.25 EN 1728:2012	15. Back impact test - height of fall 210/38 mm <sup>o</sup> , - 10 times		no remarks	pass
6.26 EN 1728:2012	16. Arm impact test - height of fall 210/38 mm <sup>o</sup> , - 10 times			N/A
6.27.1 EN 1728:2012	17. Drop test (multiple seating) - drop height: not applicable for level L1, - 2 x 5 times			N/A
6.14 EN 1728:2012	18. Auxiliary writing surface static load test - force of 300 N, - 10 times			N/A
6.22 EN 1728:2012	19. Auxiliary writing surface durability test - force of 150 N, - 10 000 cycles,			N/A





Table 1. (end)

Reference	Test and parameters	Requirements	Remarks	Test result*
<b>7 Information for use EN 16139:2013</b>		<b>EN 16139:2013, 7</b>		
7	Information for use	shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details: a) information regarding the intended use; b) if the chair is fitted with adjusting mechanisms: instruction for operating the adjusting mechanisms; c) assembly instructions, where applicable; d) instruction for the care and maintenance of the chair; e) if the seating is fitted with castors: information on the choice of castors in relation to the floor surface; f) if the seating is fitted with adjustment mechanisms comprising an energy accumulator, an additional note is required pointing out that only instructed personnel may replace and maintain adjustment mechanisms containing energy accumulators	Information for use was not provided	N/T
Additional remarks, comments				
No additional remarks/comments				

\*N/A: not applicable for this product design, N/T: not tested

Head of Furniture Testing Center

Manvydas Mickus

Tests were carried out by engineer

Laimonas Staškūnas



The test results relate only to the tested item.

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