

**PRZEDSIĘBIORSTWO USŁUGOWO REMONTOWE**  
**REMODEX**  
**ZAKŁAD BADAŃ I WDROŻEŃ PRZEMYSŁU MEBLARSKIEGO**  
Spółka z o.o.

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SIGN: BW/PB/108/21

DATE: 2021-07-30

Order from: 2021-07-08

**TEST REPORT No: 107/21/W**

Safety requirements, strength and durability

1. *Name and type of article -*

**Sofa CELLO II seat**  
**Sofa CELLO III seat**  
**Armchair CELLO**

2. *CLIENT -*

**NOWY STYL Sp. z o.o.**  
ul. Pużaka 49  
38-400 KROSNO

3. *Documents identifying article -*

order + technical records.

This article was tested in accordance  
with the test procedures described in:

**PN-EN 16139:2013**  
**PN-EN 1728:2012/AC:2013**  
**PN-EN 1022:2019**

*TEST RESULTS:*

**POSITIVE**

Test operator

  
.....  
/M Sc. (Eng.) Piotr Błaszczak/

PREZES ZARZĄDU

  
mgr inż. Piotr Błaszczak

TEST REPORT contain 4 pages

The test results are only valid for the article tested.

This TEST REPORT shall not be reproduced except in full, without the written approval of the laboratory.

**TEST REPORT No: 107/21/W**

# **REQUIREMENTS FOR NON-DOMESTIC SEATING**

*Name and type of article* – **Sofa CELLO II, sofa CELLO III, armchair CELLO**

## **SAFETY REQUIREMENTS:**

| point<br>PN-EN | Test description                                              | Requirement                     | Test<br>results |
|----------------|---------------------------------------------------------------|---------------------------------|-----------------|
| 4.1            | accessible edges and corners                                  | rounded or chamfered            | positive        |
|                | others corners and edges                                      | free from burrs and sharp edges | positive        |
|                | open ends of tubes                                            | closed or covered               | positive        |
|                | movable parts and adjustable                                  | they do not injuries            | not applicable  |
|                | connection of bearing parts                                   | they do not get loosen          | positive        |
|                | parts lubricated to assist sliding                            | does not cause staining         | not applicable  |
| 4.2            | shear and squeeze points when setting up and folding          | acceptable                      | not applicable  |
|                | shear and squeeze points under influence of powered mechanism | inadmissible                    | not applicable  |
|                | shear and squeeze points during normal use                    | inadmissible                    | positive        |

## **STABILITY:**

| Nr | Test description                               | Loading                                                               | Test<br>results |
|----|------------------------------------------------|-----------------------------------------------------------------------|-----------------|
| 1  | Forward overturning                            | vertical force 600 N<br>horizontal force 20 N                         | pass            |
| 2  | Corner stability test                          | vertical force 300 N                                                  | pass            |
| 3  | Sideways overturning for chairs with arm rests | vertical force 250 N<br>vertical force 350 N<br>horizontal force 20 N | pass            |
| 4  | Rearwards overturning - armchair               | vertical force 600 N<br>horizontal force 163 N                        | pass            |
| 5  | Rearwards overturning - sofa                   | vertical force 2 x 600 N<br>horizontal force 2 x 163 N                | pass            |

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**REQUIREMENTS FOR NON-DOMESTIC SEATING**

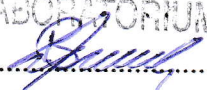
*Name and type of article – Sofa CELLO II, sofa CELLO III*

**STRENGTH and DURABILITY**

*Test level: 1 according to PN-EN 16139*

| p. PN-EN<br>1728: 2012 | Test Description                                                  | Loading<br>P (N)                                 | Cycles                           | Require-<br>ment | Test<br>results |
|------------------------|-------------------------------------------------------------------|--------------------------------------------------|----------------------------------|------------------|-----------------|
| 6.4                    | Static load test - seat<br>- back<br>- load on seats not tested*/ | 2 x 1600<br>2 x 560<br>750                       | 10<br>10                         | WITHOUT DEFECTS  | pass<br>pass    |
| 6.5                    | Seat front edge static load test<br>- load on seats not tested*/  | 2 x 1300<br>750                                  | 10                               |                  | pass            |
| 6.6                    | Vertical static load on back<br>- load on seats not tested*/      | 2 x 600<br>seat load 2 x 1300<br>750             | 10                               |                  | pass            |
| 6.8, 6.9               | Foot rest and leg rest static<br>load test                        | 1300                                             | 10                               |                  | not applicable  |
| 6.10                   | Arm sideways static load test                                     | 400                                              | 10                               |                  | pass            |
| 6.11                   | Arm downwards static load test                                    | 750                                              | 5                                |                  | pass            |
| 6.13.1,<br>6.13.2      | Vertical upwards static load on<br>arm rests                      | 250<br>Or lift stack max. 8<br>chairs, max 25 kg | lift<br>10 times,<br>during 10 s |                  | not applicable  |
| 6.17                   | Durability test: - seat<br>- back<br>- load on seats not tested   | 1000<br>300<br>750                               | 100 000                          |                  | pass<br>pass    |
| 6.18                   | Seat front edge durability test                                   | 800                                              | 50 000                           |                  | pass            |
| 6.20                   | Arm durability test                                               | 400                                              | 30 000                           |                  | pass            |
| 6.21                   | Foot rest durability test                                         | 1000                                             | 50 000                           |                  | not applicable  |
| 6.15                   | Leg forward static load test                                      | 500                                              | 10                               |                  | pass            |
| 6.16                   | Leg sideways static load test                                     | * 400                                            | 10                               |                  | pass            |
| 6.24                   | Seat impact test                                                  | drop height<br>240 mm                            | 10                               |                  | pass            |
| 6.25                   | Back impact test                                                  | height of fall<br>210 mm/38°                     | 10                               |                  | pass            |
| 6.26                   | Arm impact test                                                   | height of fall<br>210 mm/38°                     | 10                               |                  | pass            |
| 6.27.1                 | Drop test<br>(multiple seating)                                   | --                                               | 2 x 5                            |                  | not applicable  |
| 6.14                   | Auxiliary writing surface static<br>load test                     | 300                                              | 10                               |                  | not applicable  |
| 6.22                   | Auxiliary writing surface<br>durability test                      | 150                                              | 10 000                           |                  | not applicable  |

\* / - applies to the CELLO III sofa

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**TEST REPORT No: 107/21/W**

**REQUIREMENTS FOR NON-DOMESTIC SEATING**

*Name and type of article – Armchair CELLO*

**STRENGTH and DURABILITY**

*Test level: 1 according to PN-EN 16139*

| p. PN-EN<br>1728: 2012 | Test Description                           | Loading<br>P (N)                                 | Cycles                       | Require-<br>ment | Test<br>results |
|------------------------|--------------------------------------------|--------------------------------------------------|------------------------------|------------------|-----------------|
| 6.4                    | Static load test<br>- seat<br>- back       | 1600<br>560                                      | 10<br>10                     | WITHOUT DEFECTS  | pass<br>pass    |
| 6.5                    | Seat front edge static load test           | 1300                                             | 10                           |                  | pass            |
| 6.6                    | Vertical static load on back               | 600<br>seat load 1300                            | 10                           |                  | pass            |
| 6.8, 6.9               | Foot rest and leg rest static load test    | 1300                                             | 10                           |                  | not applicable  |
| 6.10                   | Arm sideways static load test              | 400                                              | 10                           |                  | pass            |
| 6.11                   | Arm downwards static load test             | 750                                              | 5                            |                  | pass            |
| 6.13.1,<br>6.13.2      | Vertical upwards static load on arm rests  | 250<br>Or lift stack with max. 8 chairs of 25 kg | lift 10 times, during ≥ 10 s |                  | not applicable  |
| 6.17                   | Durability test: - seat<br>- back          | 1000<br>300                                      | 100 000                      |                  | pass<br>pass    |
| 6.18                   | Seat front edge durability test            | 800                                              | 50 000                       |                  | pass            |
| 6.20                   | Arm durability test                        | 400                                              | 30 000                       |                  | pass            |
| 6.21                   | Foot rest durability test                  | 1000                                             | 50 000                       |                  | not applicable  |
| 6.15                   | Leg forward static load test               | 500                                              | 10                           |                  | pass            |
| 6.16                   | Leg sideways static load test              | 400                                              | 10                           |                  | pass            |
| 6.24                   | Seat impact test                           | drop height<br>240 mm                            | 10                           |                  | pass            |
| 6.25                   | Back impact test                           | height of fall<br>210 mm/38°                     | 10                           |                  | pass            |
| 6.26                   | Arm impact test                            | height of fall<br>210 mm/38°                     | 10                           |                  | pass            |
| 6.27.1                 | Drop test<br>(multiple seating)            | --                                               | 2 x 5                        |                  | not applicable  |
| 6.14                   | Auxiliary writing surface static load test | 300                                              | 10                           |                  | not applicable  |
| 6.22                   | Auxiliary writing surface durability test  | 150                                              | 10 000                       |                  | not applicable  |

Attention: the admissible maximum loading of seat - **160 kg**.

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