

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

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SIGN: BW/JK/254/14

DATE: 2014-07-29

Order from: 2014-07-01

TEST REPORT No: 223/14/W

Safety requirements, strength and durability

1. *Name and type of article -*

Conference chair FRESH with armrests on a metal frame
Conference chair FRESH on a metal frame

2. *CLIENT -*

MJ DESIGN KRAMKOWSKI I HIPE
Spółka Jawna
WIENIEC, ul. Parkowa 29
87-880 BRZEŚĆ KUJAWSKI

3. *Documents identifying article -*

order + technical records.

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

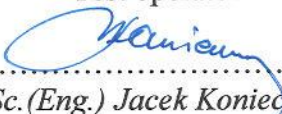
PN-EN 16139
PN-EN 1728
PN-EN 1022
(PN-EN 15373)
(PN-EN 13761)

TEST RESULTS:

POSITIVE

All requirements in EN 16139 are taken from standards: EN 15373 and EN 13761.
Test level 1 reflects test level 2 of EN 15373 and test of EN 13761.

Test operator


.....
/M Sc. (Eng.) Jacek Konieczny

PREZES ZARZĄDU


mgr inż. Piotr Błaszczak

TEST REPORT contain 3 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: 223/14/W

REQUIREMENTS FOR NON-DOMESTIC SEATING

Name and type of article – **Conference chair FRESH with armrests on a metal frame**
Conference chair FRESH on a metal frame

SAFETY REQUIREMENTS:

| point PN-EN | Test description | Requirement | Test results |
|----------------|--|-------------------------|-------------------|
| 4.1 | accessible edges and corners | rounded | positive |
| | splinters, sharp edges | inadmissible | 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 | the points of cutback or the wring near folding and the disposal | acceptable | not applicable |
| | the points of cutback or the wring of during working of mechanisms | inadmissible | not applicable |
| | the points of cutback or the wring of during normal use | inadmissible | positive |

STABILITY:

| Nr | Test description | Loading | Test results |
|----|---|---|-----------------|
| 1 | Forward overturning | vertical force 600 N horizontal force 20 N | pass |
| 2 | Sideways overturning for chairs with arm rests | vertical force 250 N vertical force 350 N horizontal force 20 N | pass |
| 3 | Sideways overturning for chairs without arm rests | vertical force 600 N horizontal force 20 N | pass |
| 4 | Rearwards overturning | vertical force F_1 600 N horizontal force F_2 - 157 N | pass |

Dimensions (in mm) ^{*/}

| Dimension | according to PN-EN 16139 | in article | results |
|--------------------------|-----------------------------|------------|----------|
| Height of seat | 400 – 500 | 450 | positive |
| Depth of seat | 380 – 470 | 430 | positive |
| Width of seat | min. 400 | 470 | positive |
| Distance among handrails | min. 460 | 485 | positive |

^{*/} - apply to conference chair with armrests FRESH

SIGNED:

LABORATORIUM

TEST REPORT No: 223/14/W

REQUIREMENTS FOR NON-DOMESTIC SEATING

Name and type of article – **Conference chair FRESH with armrests on a metal frame**
Conference chair FRESH on a metal frame

STRENGTH and DURABILITY

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

| point PN-EN 1728: 2012 | Test Description | Loading P (N) | Cycles | Re- quire- ment | Test results |
|------------------------------|---|---|--------------------------------------|-----------------------|-------------------|
| 6.4 | Static load test - seat - back | 1600 560 | 10 10 | WITHOUT DEFECTS | pass pass |
| 6.5 | Seat front edge static load test | 1300 | 10 | | pass |
| 6.6 | Vertical static load on back | 600 Seat load 1300 N | 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, 6.13.2 | Vertical upwards static load on arm rests | 250 Or lift stack with max. 8 chairs of max. 25 kg | lift 10 times, during ≥ 10 s | | not applicable |
| 6.17 | Durability test: - seat - back | 1000 300 | 100 000 | | pass 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 240 mm | 10 | | pass |
| 6.25 | Back impact test | height of fall 210 mm/38° | 10 | | pass |
| 6.26 | Arm impact test ^{*/} | height of fall 210 mm/38° | 10 | | pass |
| 6.27.1 | Drop test (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**.

^{*/} - apply to conference chair with armrests FRESH

SIGNED: 
 LABORATORIUM