

Date received: 21-12-11

Date of issue: 10-01-12

Report consists of 11 test reports.

Defects before testing: None

Sample name: KOOL chair

ILPO S.P.A.  
VIA FRIULI 1-3 – OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

## TEST REPORT N° 135330

Overall dimensions: 580 x 520 x 790 (h) mm

### List performed tests:

1. Non-domestic seating. Safety requirements EN 15373:2007
2. Non-domestic seating. Information for use EN 15373:2007
3. Seat and back static load test EN 1728:2000
4. Non-domestic seating. Vertical load on back rest EN 15373:2007
5. Seat and back fatigue test EN 1728:2000
6. Seat front edge durability test EN 1728:2000
7. Leg forward static load test EN 1728:2000
8. Leg sideways static load test EN 1728:2000
9. Seat impact test EN 1728:2000
10. Back impact test EN 1728:2000
11. Stability - EN 1022:2005



*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director*  
*Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

## TEST REPORT N° 135330

Date of issue: 10-01-12  
Sample weight: Not determined  
Sample name: KOOL chair



Side view



Rear view



Bottom view

TEST REPORT

135330 / 1

Date received: 21-12-11  
Date of test: 28-12-11  
Date of issue: 10-01-12  
Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Non-domestic seating. Safety requirements EN 15373:2007**

Non-domestic seating. Safety requirements EN 15373:2007 - clauses 5.1 and 5.2

Statement checked	Remarks
Corner and edges in contact with the users: • Absence of sharp edges and corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not possible for any movable and adjustable part of the chair to come operate unintentionally.	Movable and adjustable parts not present
Connections between parts of the structure: • It shall not possible for any load bearing part of the seating to come loose unintentionally	No
Parts wich are lubricated: • All the parts wich are lubricated shall be designed to protect users	Lubricated parts not present
Shear and squeeze points between movable parts $\geq 7 \text{ mm} \leq 18 \text{ mm}$ : • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use • Shear and squeeze points created by the weight of the user during normal movements and actions	Mechanism not present  No  No
Conformity to clauses 5.1 and 5.2 of standard EN 15373:2007:	<b>YES</b>

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director*  
*Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

TEST REPORT

135330 / 2

Date received: 21-12-11  
Date of test: 09-01-12  
Date of issue: 10-01-12  
Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Non-domestic seating. Information for use EN 15373:2007**

Non-domestic seating. Information for use EN 15373:2007 clause 7

Statement checked	Remarks
Information for use in the language of the country in which the chair will be delivered to the end user	Italian language
Information regarding the intended use	Present
Assembly instructions, where applicable	Not applicable
Instruction for the care and the maintenance of the chair	Present
Information on the choice of castors in relation to the floor surface if the chair is fitted	Castors not present
Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators if the chair is fitted	Seat height adjustment not present

Conformity to clause 7 of standard EN 15373:2007:

**YES**

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Glavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

**TEST REPORT**

**135330 / 3**

Date received: 21-12-11

Date of test: 28-12-11

Date of issue: 10-01-12

Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Seat and back static load test EN 1728:2000**

Seat and back static load test, clause 6.2.1

Test results:

Seat load N	Back force N	Number of cycles	Remarks
1.600	560	10	No defects

Seat front edge static load, clause 6.2.2

Seat load N	Number of cycles	Remarks
1.600	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Glavon*

## TEST REPORT

135330 / 4

Date received: 21-12-11

Date of test: 28-12-11

Date of issue: 10-01-12

Sample name: KOOL chair

ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA**Non-domestic seating. Vertical load on back rest EN 15373:2007**

Non-domestic seating: vertical static load on back rest - Annex A, clause A.2 EN 15373:2007

## Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.300	600	10	No defects

## Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Giavon*



**TEST REPORT**

**135330 / 5**

Date received: 21-12-11

Date of test: 28-12-11

Date of issue: 10-01-12

Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Seat and back fatigue test EN 1728:2000**

Seat and back fatigue test, clause 6.7

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	300	100.000	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

**TEST REPORT****135330 / 6**

Date received: 21-12-11

Date of test: 03-01-12

Date of issue: 10-01-12

Sample name: KOOL chair

ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA**Seat front edge durability test EN 1728:2000**

Seat front edge durability test, clause 6.8

Test results:

Points of application	Seat force N	Number of cycles	Remarks
80 mm back from the front edge	1.000	50.000	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

  
Managing Director  
Dr. Andrea Giavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.



**TEST REPORT****135330 / 7**

Date received: 21-12-11

Date of test: 05-01-12

Date of issue: 10-01-12

Sample name: KOOL chair

ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA**Leg forward static load test EN 1728:2000**

Leg forward static load test, clause 6.12

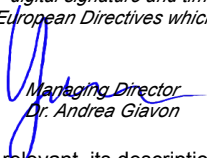
## Test results:

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
500	1.300	10	No defects

## Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

  
Managing Director  
Dr. Andrea Glavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

TEST REPORT

135330 / 8

Date received: 21-12-11  
Date of test: 05-01-12  
Date of issue: 10-01-12



Sample name: KOOL chair

ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Leg sideways static load test EN 1728:2000**

Leg sideways static load test, clause 6.13

Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
490	1.300	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

**TEST REPORT**

**135330 / 9**

Date received: 21-12-11

Date of test: 05-01-12

Date of issue: 10-01-12

Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Seat impact test EN 1728:2000**

Seat impact test, clause 6.15

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	240	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Mahasing Director  
Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

## TEST REPORT 135330 / 10

Date received: 21-12-11  
Date of test: 05-01-12  
Date of issue: 10-01-12  
Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

### Back impact test EN 1728:2000

Back impact test, clause 6.16

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2 - general.

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Giavon*

TEST REPORT

135330 / 11

Date received: 21-12-11  
Date of test: 05-01-12  
Date of issue: 10-01-12  
Sample name: KOOL chair



ILPO S.P.A.  
VIA FRIULI 1-3 - OSTERIA GRANDE  
40024 CASTEL SAN PIETRO TERME (BO)  
ITALIA

**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 169 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 169 N does not overturn

**Tilting chair in the rearmost position**

Loading discs on the seat : //

**Sideways overturning for chairs with arms**

Horizontal force : //

**Sideways overturning for chairs without arms**

Horizontal force : 20 N does not overturn

**Forwards overturning for chairs with footrest**

Horizontal force : //

Test passed

*This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.*

*Managing Director  
Dr. Andrea Giavon*