



Ege Carpets A/S  
Industrivej Nord 25  
7400 Herning  
Denmark

**Your Reference**

**Customer Number** 40201

**Contact Person** Ormstrup Lenette

**E-Mail** lo@egecarpets.com

Vienna / 29.02.2024 / guse

## Test Report VN720 236589.1

### Application

Testing and classification according to EN 1307 as well as castor chair suitability and suitability for use on stairs

### Test Material

Una Level ECT 350

The test material used for testing was made anonymous for laboratory purposes.  
A detailed sample list is included in the document.

### Issuing

Original Issuing, 29.02.2024

Number Of Included Pages: 11

**OETI - Institut fuer Oekologie, Technik und Innovation GmbH**

A handwritten signature in blue ink, appearing to read 'Günther Sereinig'.

**Günther Sereinig**

Customer Service Officer



OETI - Institut fuer Oekologie, Technik und Innovation GmbH | Siebenhirtenstrasse 12A, Objekt 8, 1230 Vienna, Austria  
tel +43 1 5442543-0 | e-mail office@oeti.biz | www.oeti.biz | FN 326826 b | VAT No. ATU65149029 | EORI ATEOS1000015903

Member of TESTEX Group



## 1 Application

Date of Order	Scope of Order
01.02.2024	Summarized test report - EN 1307 Annex B Description Of Specimen - Textile Floor Coverings - EN 1307 Mass Per Unit Area - ISO 8543 Textile Floor Coverings Thickness Of Textile Floor Coverings - ISO 1765 Changes in Appearance - Drum Test - ISO 10361 Method A / EN ISO 9405 Fibrebind - Pilling - EN ISO 12951, Test D Dimension Stability And Curling After Exposure To Heat And Water - ISO 2551 / EN 986 Basic requirements - EN 1307 - Textile floor covering without pile Total Mass Of The Single Tile - ISO 8543 Side Length, Squareness, Straightness - EN 994 - Textile Floorcoverings Mass Loss - Lisson Pedal Wheel Methode - EN ISO 12951, Test A Resistance To Fraying - EN ISO 10833 General Structural Integrity - EN 985 Method C Classification - EN 1307 - Textile floor covering without pile Specific requirements of tiles - EN 1307 Annex A Castor Chair Suitability Of Textile Floor Coverings - EN 985 Method A / EN ISO 9405 Suitability For Use On Stairs - EN ISO 12951, Test B

## 2 Samples

No.	Receipt	Sample Identification
1	06.02.2024	Una Level ECT 350

(Unless otherwise stated samples are provided by the customer.)

### 3 Tests Performed / Results

		#1 Una Level ECT 350
<b>Summarized test report</b> EN 1307 Annex B *		
Number of Tests		1
• Identification, basic information		
Product name		Una Level ECT 350
Type of face side		flat (according to B.2.2: A2)
Manufacturing procedure		woven (according to B.2.1: M1)
Backing		non-woven backing (according to B.2.4: S10)
Type of floor covering		textile floor covering without pile
Base		none
Colouration		multicoloured unpatterned (according to B.2.5: C3)
Dimensions		tiles
Fibers of pile		100% Polyamide (according to the applicant)
• Construction		
Total mass	[g/m <sup>2</sup> ]	2'130
Total thickness	[mm]	4.7
• Appearance change		
Vettermann-drum test, short time testing		5.0
Vettermann-drum test, long time testing		4.5
• Classification according EN 1307		
Basic requirements		fulfilled
Hairiness (Pilling)		4.5
General structural integrity		No damages
Use class		Class 33
Luxury-Class		LC 1
• Additional properties		
Castor chair suitability		suitable for intensive use
Stair suitability		suitable for intensive use
Fraying resistance		resistant to fraying

#1  
Una Level ECT 350

<p><b>Description Of Specimen - Textile Floor Coverings</b> EN 1307 *</p> <ul style="list-style-type: none"> <li>Number of Tests</li> <li>• Manufacturing procedure</li> <li>• Structure of face side</li> <li>• Primary backing</li> <li>• Colouration of the surface</li> <li>• Type of backing</li> <li>• Type of fibres at face side</li> <li>• Dimensions</li> <li>• Description according to standard</li> </ul>	<p style="text-align: center;">1 woven flat none multicoloured unpatterned non-woven backing 100% Polyamide (according to the applicant) tiles textile floor covering without pile</p>
<p><b>Mass Per Unit Area</b> ISO 8543 Textile Floor Coverings</p> <ul style="list-style-type: none"> <li>Number of Tests</li> <li>• Number of specimen</li> <li>• Conditioning <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Total mass <ul style="list-style-type: none"> <li>Mean value [g/m<sup>2</sup>]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [g/m<sup>2</sup>]</li> </ul> </li> <li>• Measurement uncertainty [%]</li> <li>• Issue Date of Standard: 2020-06</li> </ul>	<p style="text-align: center;">1 4 20 65 2'130 1.8 60 0.84</p>
<p><b>Thickness Of Textile Floor Coverings</b> ISO 1765</p> <ul style="list-style-type: none"> <li>Number of Tests</li> <li>• Number of specimen</li> <li>• Conditioning <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Thickness <ul style="list-style-type: none"> <li>Mean value [mm]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [mm]</li> </ul> </li> <li>• Measurement uncertainty [%]</li> <li>• Issue Date of Standard: 1986-11</li> </ul>	<p style="text-align: center;">1 4 20 65 4.7 1.3 0.1 1.47</p>

<p><b>Changes in Appearance - Drum Test</b> ISO 10361 Method A / EN ISO 9405</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Used scale</li> <li>• Appearance change 5'000 cycles (if dominant: attribute)               <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Assessor 1</td><td style="width: 20%;">[grade]</td><td style="width: 30%;">5.0</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>5.0</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>5.0</td></tr> <tr><td>Median</td><td>[grade]</td><td>5.0</td></tr> <tr><td>Mean value</td><td>[grade]</td><td>5.0</td></tr> </table> </li> <li>• Index of colour change 5'000 cycles               <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Assessor 1</td><td style="width: 20%;">[grade]</td><td style="width: 30%;">5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>5</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>5</td></tr> <tr><td>Median</td><td>[grade]</td><td>5</td></tr> </table> </li> <li>• Appearance change 20'000 cycles (if dominant: attribute)               <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Assessor 1</td><td style="width: 20%;">[grade]</td><td style="width: 30%;">4.5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Median</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Mean value</td><td>[grade]</td><td>4.5</td></tr> </table> </li> <li>• Index of colour change 20'000 cycles               <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">Assessor 1</td><td style="width: 20%;">[grade]</td><td style="width: 30%;">4 - 5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4 - 5</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4 - 5</td></tr> <tr><td>Median</td><td>[grade]</td><td>4 - 5</td></tr> </table> </li> <li>• Damages by treatment</li> <li>• Measurement uncertainty: <math>\pm 0.5</math> [ ]</li> <li>• Issue Date of Standard EN ISO 9405: 2017-06</li> <li>• Issue Date of Standard ISO 10361: 2015-02</li> </ul>	Assessor 1	[grade]	5.0	Assessor 2	[grade]	5.0	Assessor 3	[grade]	5.0	Median	[grade]	5.0	Mean value	[grade]	5.0	Assessor 1	[grade]	5	Assessor 2	[grade]	5	Assessor 3	[grade]	5	Median	[grade]	5	Assessor 1	[grade]	4.5	Assessor 2	[grade]	4.5	Assessor 3	[grade]	4.5	Median	[grade]	4.5	Mean value	[grade]	4.5	Assessor 1	[grade]	4 - 5	Assessor 2	[grade]	4 - 5	Assessor 3	[grade]	4 - 5	Median	[grade]	4 - 5	<p>1 ISO loop (ISO - A)</p>
Assessor 1	[grade]	5.0																																																					
Assessor 2	[grade]	5.0																																																					
Assessor 3	[grade]	5.0																																																					
Median	[grade]	5.0																																																					
Mean value	[grade]	5.0																																																					
Assessor 1	[grade]	5																																																					
Assessor 2	[grade]	5																																																					
Assessor 3	[grade]	5																																																					
Median	[grade]	5																																																					
Assessor 1	[grade]	4.5																																																					
Assessor 2	[grade]	4.5																																																					
Assessor 3	[grade]	4.5																																																					
Median	[grade]	4.5																																																					
Mean value	[grade]	4.5																																																					
Assessor 1	[grade]	4 - 5																																																					
Assessor 2	[grade]	4 - 5																																																					
Assessor 3	[grade]	4 - 5																																																					
Median	[grade]	4 - 5																																																					
<p><b>Fibrebind - Pilling</b> EN ISO 12951, Test D</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Duration [double cycles]</li> <li>• Median [grade]</li> <li>• Issue Date of Standard: 2020-06</li> <li>• Measurement uncertainty: <math>\pm 0.5</math> [ ]</li> </ul>	<p>1 4 200 4.5 <math>\pm 0,5</math></p>																																																						

<b>Dimension Stability And Curling After Exposure To Heat And Water</b> ISO 2551 / EN 986		
Number of Tests		3
• Number of specimen		3
• Deviation from standard		No
• 1. Treatment - 2 hours storage (drying) at 60°C		
1. Measurement length direction	[%]	- 0,1
2. Measurement length direction	[%]	- 0,1
3. Measurement length direction	[%]	- 0,1
Mean value length direction	[%]	- 0,1
1. Measurement cross direction	[%]	± 0,0
2. Measurement cross direction	[%]	- 0,1
3. Measurement cross direction	[%]	- 0,1
Mean value cross direction	[%]	- 0,1
• 2. Treatment - 2 hours storage in water at 20°C		
1. Measurement length direction	[%]	± 0,0
2. Measurement length direction	[%]	± 0,0
3. Measurement length direction	[%]	± 0,0
Mean value length direction	[%]	± 0,0
1. Measurement cross direction	[%]	± 0,0
2. Measurement cross direction	[%]	± 0,0
3. Measurement cross direction	[%]	± 0,0
Mean value cross direction	[%]	± 0,0
• 3. Treatment - 24 hours storage (drying) at 60°C		
1. Measurement length direction	[%]	- 0,2
2. Measurement length direction	[%]	- 0,2
3. Measurement length direction	[%]	- 0,2
Mean value length direction	[%]	- 0,2
1. Measurement cross direction	[%]	- 0,2
2. Measurement cross direction	[%]	- 0,2
3. Measurement cross direction	[%]	- 0,2
Mean value cross direction	[%]	- 0,2
• 4. Treatment - 48 hours storage at standard atmosphere		
1. Measurement length direction	[%]	- 0,1
2. Measurement length direction	[%]	- 0,1
3. Measurement length direction	[%]	- 0,1
Mean value length direction	[%]	- 0,1
1. Measurement cross direction	[%]	- 0,1
2. Measurement cross direction	[%]	- 0,1
3. Measurement cross direction	[%]	- 0,2
Mean value cross direction	[%]	- 0,1
• Vertical distortion out of plane	[mm]	2
• Description of the final appearance		light bowling
• Measurement uncertainty	[%]	32.40
• Issue Date of Standard ISO 2551: 2020-05		
• Issue Date of Standard EN 986: 2005-12		

<p><b>Basic requirements</b> EN 1307 - Textile floor covering without pile *</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Colour fastness [grade]</li> <li>• Dimensional change - ISO 2551 - shrinkage [%]</li> <li>• Dimensional change - ISO 2551 - lengthening [%]</li> <li>• Hairiness / Pilling - EN 1963 Method D [grade]</li> <li>• Basic requirements</li> </ul>	<p>1</p> <p>Conformity shall be indicated for each color by the manufacturer</p> <p>- 0,2</p> <p>-</p> <p>4.5</p> <p>fulfilled</p>
<p><b>Total Mass Of The Single Tile</b> ISO 8543</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Conditioning <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Total mass of tiles <ul style="list-style-type: none"> <li>Mean value [kg]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [kg]</li> </ul> </li> <li>• Measurement uncertainty [%]</li> <li>• Issue Date of Standard: 2020-06</li> </ul>	<p>1</p> <p>4</p> <p>20</p> <p>65</p> <p>0.485</p> <p>2.1</p> <p>0.016</p> <p>0.84</p>
<p><b>Side Length, Squareness, Straightness</b> EN 994 - Textile Floorcoverings *</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Nominal dimension <ul style="list-style-type: none"> <li>Length [mm]</li> <li>Width [mm]</li> </ul> </li> <li>• Determination of dimensions length <ul style="list-style-type: none"> <li>Mean length [mm]</li> <li>Min. average length [mm]</li> <li>Max. average length [mm]</li> <li>Diff. between the smallest and the largest average length [mm]</li> <li>Max. deviation from mean length [%]</li> <li>Max. deviation from nominal dimension [%]</li> </ul> </li> <li>• Determination of dimensions width <ul style="list-style-type: none"> <li>Mean length [mm]</li> <li>Min. average length [mm]</li> <li>Max. average length [mm]</li> <li>Diff. between the smallest and the largest average length [mm]</li> <li>Max. deviation from mean length [%]</li> <li>Max. deviation from nominal dimension [%]</li> </ul> </li> <li>• Squareness and straightness <ul style="list-style-type: none"> <li>Max. deviation [mm]</li> <li>Max. percentage deviation [%]</li> </ul> </li> </ul>	<p>1</p> <p>5</p> <p>480</p> <p>480</p> <p>480.3</p> <p>480.2</p> <p>480.5</p> <p>0.3</p> <p>&lt; 0,1</p> <p>0.1</p> <p>480.1</p> <p>480.1</p> <p>480.2</p> <p>0.1</p> <p>&lt; 0,1</p> <p>0.0</p> <p>&lt; 0,20</p> <p>&lt; 0,04</p>

<p><b>Mass Loss - Lisson Pedal Wheel Methode</b> EN ISO 12951, Test A</p> <p>Number of Tests • Number of specimen • Mass loss per unit area     Mean value [g/m<sup>2</sup>]     Coefficient of variation [%]     Confidence interval (95%) abs. width [g/m<sup>2</sup>] • Relative mass loss     Mean value [%]     Coefficient of variation [%]     Confidence interval (95%) abs. width [%] • Tretradindex • Measurement uncertainty [%] • Issue Date of Standard: 2020-06</p>	<p>1 4 - 10 - 35,6 5 -- -- -- -- 5.60</p>
<p><b>Resistance To Fraying</b> EN ISO 10833</p> <p>Number of Tests • Number of specimen • Kind of test sample • Unacceptable changes     Specimen 1     Specimen 2     Specimen 3     Specimen 4 • Note • Assessment • Issue Date of Standard: 2019-06</p>	<p>1 4 tiles  no change no change no change no change - resistant to fraying</p>
<p><b>General Structural Integrity</b> EN 985 Method C</p> <p>Number of Tests • Number of specimen • Specimen fixation • Castors • Damages by treatment • - After 10 000 cycles • - After 25 000 cycles • Issue Date of Standard: 2001-07</p>	<p>1 1 single swivel castor, Type H double sided adhesive tape No None None</p>



<p><b>Classification</b> EN 1307 - Textile floor covering without pile *</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Abrasion resistance</li> <li>• General structural integrity - 10 000 turns</li> <li>• General structural integrity - 25 000 turns</li> <li>• Appearance change - short time test [grade]</li> <li>• Appearance change - long time test [grade]</li> <li>• Level of use classification</li> <li>• Luxury-Class</li> </ul>	<p style="text-align: center;">1</p> <p style="text-align: center;">- 10</p> <p style="text-align: center;">no damage</p> <p style="text-align: center;">no damage</p> <p style="text-align: center;">5.0</p> <p style="text-align: center;">4.5</p> <p style="text-align: center;">Class 33</p> <p style="text-align: center;">LC 1</p>
<p><b>Specific requirements of tiles</b> EN 1307 Annex A *</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Total mass of individual tile [kg]</li> <li>• Total weight per unit area [kg/m<sup>2</sup>]</li> <li>• Dimensions of tiles [mm]</li> <li>• Max. deviation from mean length [%]</li> <li>• Squareness and straightness [%]</li> <li>• Dimensional stability (max. change) [%]</li> <li>• Distortion out of plane [mm]</li> <li>• Tile suitability</li> <li>• Damage at cut edge</li> <li>• Basic requirements fulfilled for</li> <li>• Squareness of edges [%]</li> <li>• Straightness of edges [%]</li> </ul>	<p style="text-align: center;">1</p> <p style="text-align: center;">0.485</p> <p style="text-align: center;">2.130</p> <p style="text-align: center;">480 x 480</p> <p style="text-align: center;">&lt; 0,1</p> <p style="text-align: center;">0.04</p> <p style="text-align: center;">- 0,2</p> <p style="text-align: center;">2</p> <p style="text-align: center;">permanent adhered</p> <p style="text-align: center;">no damage</p> <p style="text-align: center;">fulfilled</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p>

<p><b>Castor Chair Suitability Of Textile Floor Coverings</b> EN 985 Method A / EN ISO 9405</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Castors</li> <li>• Specimen fixation</li> <li>• Used scale</li> <li>• Appearance change 5'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> <li>Assessor 1 [grade] 4.5</li> <li>Assessor 2 [grade] 4.5</li> <li>Assessor 3 [grade] 4.5</li> <li>Median [grade] 4.5</li> <li>Mean value [grade] 4.5</li> </ul> </li> <li>• Index of colour change 5'000 cycles <ul style="list-style-type: none"> <li>Assessor 1 [grade] 4</li> <li>Assessor 2 [grade] 4</li> <li>Assessor 3 [grade] 4</li> <li>Median [grade] 4</li> </ul> </li> <li>• Appearance change 25'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> <li>Assessor 1 [grade] 4.5</li> <li>Assessor 2 [grade] 4.5</li> <li>Assessor 3 [grade] 4.5</li> <li>Median [grade] 4.5</li> <li>Mean value [grade] 4.5</li> </ul> </li> <li>• Index of colour change 25'000 cycles <ul style="list-style-type: none"> <li>Assessor 1 [grade] 3 - 4</li> <li>Assessor 2 [grade] 3 - 4</li> <li>Assessor 3 [grade] 3 - 4</li> <li>Median [grade] 3 - 4</li> </ul> </li> <li>• Damages by treatment No</li> <li>• Castor chair index 4.5</li> <li>• Castor chair suitability suitable for intensive use</li> <li>• Measurement uncertainty: <math>\pm 0.5</math> [°] <math>\pm 0,5</math></li> <li>• Issue Date of Standard EN 985: 2001-07</li> <li>• Issue Date of Standard EN ISO 9405: 2017-06</li> </ul>	<p>1 singel swivel castor Type H double sided adhesive tape ISO loop (ISO - A)</p>
<p><b>Suitability For Use On Stairs</b> EN ISO 12951, Test B</p> <p>Number of Tests</p> <ul style="list-style-type: none"> <li>• Number of specimen 4</li> <li>• Median of appearance change in the edge area [grade] low</li> <li>• Assessment suitable for intensive use</li> <li>• Issue Date of Standard: 2020-06</li> </ul>	<p>1 4 low suitable for intensive use</p>

## 4 Remarks

### Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or OETI. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

### Sample Material

Results of performed tests only refer to the sample material provided. The testing period is defined as timeframe between receipt of samples and issue date of test report. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of OETI, which is entitled to freely decide on storage and disposal.

### Issuing

This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

### Quality Management, Accreditation And Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025. OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body (NB0534). (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on [www.oeti.biz](http://www.oeti.biz). Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

Statements of conformity are based on the specifications of the specified standard. The "simple acceptance rule" applies, that means the measurement uncertainty is stated for the statement of conformity, but not taken into account.

In this report individual non-accredited test procedures are marked with \*. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters. The accreditation marking refers to the time of the first issuance of the report.

According to the decree on the use of the accreditation mark ("AkkZV") the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

### Copyright And Usage Notes

It is pointed out, that any alterations, amendments or falsifications of reports not authorized by the issuer of the report will be prosecuted as civil and criminal offences; this especially to the appropriate requirements of ABGB, UrhG, UWG and criminal law and their respective international equivalents. Reports are protected under international copyright laws. Written consent of the OETI GmbH is required for publications (also in excerpt) and reference to tests for public relation purposes. Reports may only be reproduced in full length.

End of Report