



Report VN720 130174.1 Test Report

Applicant

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Reference

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Application

Classification according to EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying, static electrical propensity and vertical resistance.

Test material

"Epoca Rustic ECT350"

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

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Authorised for Institute
Ing. Hannes Vittek

A handwritten signature in blue ink, appearing to read "Vitteh", written over a horizontal dotted line.

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1 Order

1.1 Chronology

| Date | Received | Order |
|------------|------------|--|
| 22.05.2017 | 23.05.2017 | Classification according to EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying, static electrical propensity and vertical resistance. |

1.2 Samples

| Nr. | Received | Sample Identification |
|-----|------------|-----------------------|
| 1 | 23.05.2017 | "Epoca Rustic ECT350" |

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

2 Findings / Tests performed

2.1 Summarized test report

According to EN 1307 Annex B

| Identification, basic information | |
|--|---|
| Productname | “Epoca Rustic ECT350” |
| Date | 26.06.2017 |
| Manufacturer / User | EGETAEPER A/S |
| Type of face side | Flat (reference according to B.2.2: A2) |
| Manufacturing procedure | Woven (reference according to B.2.1: M1) |
| Backing | Textile backing (non-woven) (reference according to B.2.4: S10) |
| Type of floor covering | Textile floor covering without pile |
| Colouration | multicolored unpatterned (reference according to B.2.5: C3) |
| Dimensions | tiles |
| Fibres of pile | 100% Polyamide (according to the applicant) |
| Total mass | 2407 g/m ² |
| Total thickness | 5,1 mm |
| Vettermann-drum test, short time testing | 5,0 |
| Vettermann-drum test, long time testing | 5,0 |
| Basic requirements | fulfilled |
| Use class | |
| Abrasion resistance | Class 33 |
| General structural integrity | Class 33 |
| Classification of change in appearance | Class 33 |
| Level of use classification | Class 33 |
| Comfort-Class | LC 1 |
| Additional properties | |
| Castor chair suitability | suitable for intensive use |
| Stair suitability | suitable for intensive use |
| Fraying resistance | resistant to fraying |
| Body voltage from the walk test | -0,5 kV |
| Classification according to EN 14041 | antistatic |
| Vertical resistance | 6,6 x 10 ¹¹ Ω |
| Specific informations for tiles | |
| Basic requirements | fulfilled |
| Dimensions of tiles | 48 x 48 cm |
| Total mass of each tile | 0,560 kg |
| Total weight per unit area | 2407 kg/m ² |
| Tile type | Suitable for removable and permanent adhered tiles |

| | |
|---|-------------------------------------|
| DESCRIPTION OF SPECIMEN textile floor coverings EN 1307 | |
| Number of specimen | 1 |
| Manufacturing procedure | woven |
| Base structure of face side | flat |
| Coloration of face side | multicolored unpatterned |
| Type of backing | textile backing (non.woven) |
| Type of fibres at face side | 100% Polyamide |
| Description according to standard | Textile floor covering without pile |
| MASS PER UNIT AREA of textile floor coverings ISO 8543 | |
| Number of specimen | 4 |
| Climatisation | |
| - Temperature [°C] | 20 |
| - Rel. air humidity [%] | 65 |
| Mass per unit area | |
| - Mean value [g/m ²] | 2407 |
| - Coefficient of variation [%] | 2,6 |
| - Confidence interval (P = 95 %) abs. width [g/m ²] | 102 |
| THICKNESS of textile floor coverings ISO 1765 | |
| Number of specimen | 4 |
| Climatisation | |
| - Temperature [°C] | 20 |
| - Air humidity [%] | 65 |
| Thickness | |
| - Mean value [mm] | 5,1 |
| - Coefficient of variation [%] | 1,0 |
| - Confidence interval (P = 95 %) abs. width [mm] | 0,1 |
| DIMENSIONAL CHANGES AND DISTORTION OUT OF PLANE EN 986 | |
| Number of specimen | 3 |
| 1. Treatment | |
| - Measurement 1 - length [%] | -0,1 |
| - Measurement 2 - length [%] | -0,1 |
| - Measurement 3 - length [%] | -0,1 |
| - Mean value - length [%] | -0,1 |
| - Measurement 1 - cross [%] | ±0,0 |
| - Measurement 2 - cross [%] | ±0,0 |
| - Measurement 3 - cross [%] | ±0,0 |
| - Mean value - cross [%] | ±0,0 |
| 2. Treatment | |
| - Measurement 1 - length [%] | +0,1 |
| - Measurement 2 - length [%] | +0,1 |
| - Measurement 3 - length [%] | +0,1 |
| - Mean value - length [%] | +0,1 |
| - Measurement 1 - cross [%] | ±0,0 |
| - Measurement 2 - cross [%] | ±0,0 |
| - Measurement 3 - cross [%] | ±0,0 |
| - Mean value - cross [%] | ±0,0 |
| 3. Treatment | |
| - Measurement 1 - length [%] | ±0,0 |
| - Measurement 2 - length [%] | ±0,0 |

| | | |
|--|-----------------------------|--|
| - Measurement 3 - length | [%] | ±0,0 |
| - Mean value - length | [%] | ±0,0 |
| - Measurement 1 - cross | [%] | ±0,0 |
| - Measurement 2 - cross | [%] | ±0,0 |
| - Measurement 3 - cross | [%] | ±0,0 |
| - Mean value - cross | [%] | ±0,0 |
| 4. Treatment | | |
| - Measurement 1 - length | [%] | ±0,0 |
| - Measurement 2 - length | [%] | ±0,0 |
| - Measurement 3 - length | [%] | ±0,0 |
| - Mean value - length | [%] | ±0,0 |
| - Measurement 1 - cross | [%] | ±0,0 |
| - Measurement 2 - cross | [%] | ±0,0 |
| - Measurement 3 - cross | [%] | ±0,0 |
| - Mean value - cross | [%] | ±0,0 |
| Maximum distortion out of plane after treatment | | |
| - Specimen 1 | [mm] | 0 |
| - Specimen 2 | [mm] | 0 |
| - Specimen 3 | [mm] | 0 |
| HAIRINESS / PILLING EN ISO 12951 / EN 1963 D | | |
| Number of specimen | | 4 |
| Changes of appearance after 200 double turns | | |
| - Median | | 5 |
| BASIC REQUIREMENTS of textile floor coverings EN 1307 | | |
| Basic requirements - Floor covering without pile | | 1 |
| Colour fastness | | Conformity has to be declared by the manufacturer for each colour. |
| Dimensional change | | |
| - Shrinkage | [%] | -0,1 |
| - Elongation | [%] | +0,1 |
| Haariness / Pilling | [grade] | 5 |
| Judgement | | |
| Basic requirements | [fulfilled / not fulfilled] | fulfilled |
| CHANGES IN APPEARANCE - drum test ISO 10361 | | |
| Number of specimen | | 2 |
| Number of revolutions | | |
| After 5 000 revolutions | | |
| - Index of appearance change (Median) | | 5,0 |
| - Index of colour change (Median) | | 5 |
| - Main reasons for change | | -- |
| - Index after colour correction (Median) | | 5,0 |
| - Index after colour correction (Mean value) | | 5,0 |
| After 20 000 revolutions | | |
| - Index of appearance change (Median) | | 5,0 |
| - Index of colour change (Median) | | 5 |
| - Main reasons for change | | -- |
| - Index after colour correction (Median) | | 5,0 |
| - Index after colour correction (Mean value) | | 4,8 |
| Damages by the treatment | | none |

| | |
|--|--|
| <p>GENERAL STRUCTURAL INTEGRITY EN 985 C</p> <p>Number of specimen Sample fixation</p> <p>Wheels Damages by treatment - after 10 000 cycles - after 25 000 cycles</p> | <p>2 double sided adhesive tape „SIGAN 2“ (UZIN UTZ AG) single wheels, type H</p> <p>none none</p> |
| <p>CLASSIFICATION of textile floor coverings EN 1307</p> <p>Classification of floor coverings without pile Abrasion resistance [g/m²] General structural integrity - 10 000 cycles - 25 000 cycles Index of appearance change - Short time test - Long time test Classification of the abrasion resistance Classification of the general structural integrity Classification of change in appearance Classification of overall use class Classification of luxury rating class</p> | <p>1 no mass loss</p> <p>no damage no damage</p> <p>5,0 5,0 33 33 33 33 LC 1</p> |
| <p>MASS PER UNIT AREA of textile floor coverings ISO 8543</p> <p>Number of specimen Climatisation - Temperature [°C] - Rel. air humidity [%] Total mass of individual tile - Mean value [kg] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [kg]</p> | <p>4</p> <p>20 65</p> <p>0,560 0,0 0,000</p> |
| <p>SIDE LENGTH, SQUARENESS, STRAIGHTNESS EN 994 carpet tiles</p> <p>Number of specimen Nominal dimension - Length [mm] - Width [mm] Determination of dimensions - length - Mean length [mm] - Min. average length [mm] - Max. average length [mm] - Difference between the smallest and the largest average length [mm] - Max. deviation from mean length [%] - Max. deviation from nominal dimension [%] Determination of dimensions - width - Mean length [mm] - Min. average length [mm] - Max. average length [mm] - Difference between the smallest and the largest average length [mm]</p> | <p>5</p> <p>480 480</p> <p>480,1 480,0 480,1 0,1 < 0,1 0,0</p> <p>479,8 479,7 479,8 0,1</p> |

| | | |
|---|----------------------|--|
| - Max. deviation from mean length | [%] | < 0,1 |
| - Max. deviation from nominal dimension | [%] | 0,0 |
| Squareness and straightness | | |
| - Max. deviation | [mm] | < 0,20 |
| - Max. deviation | [%] | < 0,04 |
| RESISTANCE TO FRAYING EN 1814 | | |
| Number of specimen | | 4 |
| Kind of test sample | | Sheets material |
| Description of cut edge after treatment | | |
| - Delamination | | not occurred |
| - Fraying | | not occurred |
| - Tuft loss / sprouting | | not occurred |
| - Thread puller | | not occurred |
| - Release of fibers from the pile material | | not occurred |
| Judgement | | resistant to fraying |
| ADDITIONAL REQUIREMENTS FOR CARPET TILES EN 1307 | | |
| Basic requirements | | fulfilled |
| Dimensions of tiles | [mm] | 480 x 480 |
| Total mass of each tile | [kg] | 0,560 |
| Total weight per unit area | [kg/m ²] | 2,401 |
| Side length max. deviation | [%] | < 0,1 |
| Squareness and straightness of edges | [%] | < 0,04 |
| Dimensional stability | [%] | ± 0,1 |
| Curling / doming | [mm] | 0 |
| Damage at cut edge | | none |
| Judgement | | The submitted sample fulfils the additional requirements for removable adhered and permanent adhered carpet tiles according EN 1307, Annex A . |
| CASTOR CHAIR SUITABILITY of textile floor coverings EN 985 A | | |
| Number of specimen | | 2 |
| Mounting of specimen | | double sided adhesive tape „SIGAN 2“ (UZIN UTZ AG) single wheels, type H |
| Castors | | |
| Test duration 5000 revolutions | | |
| Change of attribute | | colour |
| Index of colour change | | 4 |
| Index of appearance change | | 4,0 |
| Test duration 25000 revolutions | | |
| Change of attribute | | colour |
| Index of colour change | | 3-4 |
| Index of appearance change | | 3,5 |
| Castor chair index | | 3,9 |
| Damages by the treatment | | none |
| Suitable for castor chairs | | suitable for intensive use |
| SUITABILITY FOR USE ON STAIRS EN 1963 B | | |
| Number of specimen | | 4 |
| Median of appearance change in the edge area | [Grade] | low appearance change |
| Judgement | | suitable for commercial use |

| | | |
|--|-------|------------------------------------|
| STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356 | | |
| Number of specimen | | 1 |
| Testing climate | | |
| - Temperature | [°C] | 23 |
| - Air humidity | [%] | 25 |
| Base plate | | Isolating rubbermat on metal plate |
| Sole-material | | XS-664P Neolite |
| Pretreatment | | none |
| Body-Voltage - supplied condition | | |
| - Test 1 | [kV] | -0,6 |
| - Test 2 | [kV] | -0,5 |
| - Test 3 | [kV] | -0,5 |
| - Mean value | [kV] | -0,5 |
| - Judgement | | antistatic |
| ELECTRICAL RESISTANCES of textile floor coverings ISO 10965 | | |
| Number of specimen | | 3 |
| Testing climate | | |
| - Temperature | [°C] | 23 |
| - Air humidity | [%] | 25 |
| Measuring voltage | | 500 |
| Vertical resistance | | |
| - Specimen 1 - 1st measurement | [Ohm] | 6,0 x 10 ¹¹ |
| - Specimen 1 - 2nd measurement | [Ohm] | 7,0 x 10 ¹¹ |
| - Specimen 2 - 1st measurement | [Ohm] | 6,5 x 10 ¹¹ |
| - Specimen 2 - 2nd measurement | [Ohm] | 7,5 x 10 ¹¹ |
| - Specimen 3 - 1st measurement | [Ohm] | 6,0 x 10 ¹¹ |
| - Specimen 3 - 2nd measurement | [Ohm] | 7,0 x 10 ¹¹ |
| - Geom. Mean value | [Ohm] | 6,6 x 10 ¹¹ |

3 Remarks

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