



Report VN720 131599.1 Test Report

Applicant

EGETAEPPEL A/S
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Denmark

Reference

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Application

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

Test material

"epoca silky 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 "Vitte", positioned above a horizontal dotted line.

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1 Order

1.1 Chronology

Date	Received	Order
13.07.2017	17.07.2017	Classification according to EN 1307 as well as suitability for use on stairs, resistance to fraying and static electrical propensity.

1.2 Samples

Nr.	Received	Sample Identification
1	17.07.2017	“epoca silky 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 silky ECT350"
Date	09.08.2017
Manufacturer / User	EGETAEPER A/S
Type of face side	Cut pile (reference according to B.2.2: A1)
Manufacturing procedure	Tufted (reference according to B.2.1: M5)
Backing	Textile backing (non-woven) (reference according to B.2.4: S10)
Type of floor covering	Pile carpet
Base	Non-woven (reference according to B.2.3: P3)
Colouration	multicolored unpatterned (reference according to B.2.5: C3)
Dimensions	tiles
Fibres of pile	100% Polyamide (according to the applicant)
Total mass	3741 g/m ²
Pile mass above the substrate	1195 g/m ²
Total thickness	13,3 mm
Pile height	8,7 mm
Surface pile density	0,137 g/cm ³
Number of tufts or loops	473 /dm ²
Vettermann-drum test, short time testing	4,5
Vettermann-drum test, long time testing	4,0
Basic requirements	fulfilled
Use class	
Classification of change in appearance	Class 33
Level of use classification	Class 33
Comfort-Class	LC 5
Additional properties	
Stair suitability	suitable for intensive use
Fraying resistance	resistant to fraying
Body voltage from the walk test	-2,0 kV
Classification according to EN 14041	antistatic

Specific informations for tiles	
Basic requirements	fulfilled
Dimensions of tiles	480 x 480 cm
Total mass of each tile	0,875 kg
Total weight per unit area	3741 kg/m ²
Side length max. deviation	< 0,1 %
Squareness and straightness of edges	< 0,04%
Dimensional stability	+ 0,1% - 0,3%
Curling / doming	0 mm
Damage at cut edge	none
Judgement	Suitable for permanent adhered tiles

DESCRIPTION OF SPECIMEN textile floor coverings EN 1307	
Number of specimen	1
Manufacturing procedure	tufted
Base structure of face side	cut pile
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	Pile carpet
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]	3741
- Coefficient of variation [%]	2,1
- Confidence interval (P = 95 %) abs. width [g/m ²]	122
MASS PER UNIT AREA of textile floor coverings ISO 8543	
Number of specimen	4
Climatisation	
- Temperature [°C]	20
- Rel. air humidity [%]	65
Pile mass per unit area	
- Mean value [g/m ²]	1195
- Coefficient of variation [%]	0,9
- Confidence interval (P = 95 %) abs. width [g/m ²]	17
THICKNESS of textile floor coverings ISO 1765	
Number of specimen	4
Climatisation	
- Temperature [°C]	20
- Air humidity [%]	65
Thickness	
- Mean value [mm]	13,3
- Coefficient of variation [%]	0,4
- Confidence interval (P = 95 %) abs. width [mm]	0,1
THICKNESS WEAR LAYER of textile floor coverings ISO 1766	
Number of specimen	4
Test atmosphere	
- Temperature [°C]	20
- Air humidity [%]	65
Shearing methode	Sharp pointed knife
Thickness of wear layer	
- Mean value [mm]	8,7
- Coefficient of variation [%]	0,9
- Confidence interval (P = 95 %) abs. width [mm]	0,2

PILE DENSITY ISO 8543 Number of specimen Pile material Density of pile material [g/cm ³] Mass of pile per unit area [g/cm ²] Thickness of above the substrate pile [mm] Surface pile density [g/cm ³] Relative surface pile density [%]	4 100% Polyamide 1,14 1195 8,7 0,137 12,0
NUMBER OF TUFTS OR LOOPS ISO 1763 Number of specimen Number of tufts or loops / 10 cm - in length direction - in cross direction Number of tufts or loops per dm ² Number of tufts or loops per m ²	4 18,7 25,3 473 47300
MASS LOSS EN ISO 12951 / EN 1963 A Number of specimen Relative mass loss [%] Tretradindex	4 8,4 6,0
BASIC REQUIREMENTS of textile floor coverings EN 1307 Basic requirements - Floor covering with Pile (Cut pile) Colour fastness Fibre bind < 80 % natural fibres Cut pile - Mass loss [%] Judgement Basic requirements [fulfilled / not fulfilled]	1 Conformity has to be declared by the manufacturer for each quality. 8,4 fulfilled
CHANGES IN APPEARANCE - drum test ISO 10361 Number of specimen Number of revolutions After 5 000 revolutions - Index of appearance change (Median) - Index of colour change (Median) - Main reasons for change - Index after colour correction (Median) - Index after colour correction (Mean value) After 20 000 revolutions - Index of appearance change (Median) - Index of colour change (Median) - Main reasons for change - Index after colour correction (Median) - Index after colour correction (Mean value) Damages by the treatment	2 4,5 4-5 structure 4,5 4,5 4,0 4 colour/structure 4,0 4,0 none

<p>CLASSIFICATION of textile floor coverings EN 1307</p> <p>Classification of pile floor coverings Index of appearance change - Short time test - Long time test Classification of change in appearance Classification of overall use class Classification of luxury rating class</p>	<p>1 4,5 4,0 33 33 LC5</p>
<p>SUITABILITY FOR USE ON STAIRS EN 1963 B</p> <p>Number of specimen Median of appearance change in the edge area [Grade] Judgement</p>	<p>4 low appearance change suitable for intensive use</p>
<p>STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356</p> <p>Number of specimen Testing climate - Temperature [°C] - Air humidity [%] Base plate Sole-material Pretreatment Body-Voltage - supplied condition - Test 1 [kV] - Test 2 [kV] - Test 3 [kV] - Mean value [kV] - Judgement</p>	<p>1 23 25 Isolating rubbermat on metal plate XS-664P Neolite none -1,8 -2,1 -2,0 -2,0 antistatic</p>
<p>MASS PER UNIT AREA of individual tile 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 20 65 0,875 1,1 0,016</p>

SIDE LENGTH, SQUARENESS, STRAIGHTNESS		
EN 994		
carpet tiles		
Number of specimen		5
Nominal dimension		
- Length	[mm]	480
- Width	[mm]	480
Determination of dimensions - length		
- Mean length	[mm]	480,3
- Min. average length	[mm]	480,2
- Max. average length	[mm]	480,3
- Difference between the smallest and the largest		0,1
average length		
- Max. deviation from mean length	[%]	< 0,1
- Max. deviation from nominal dimension	[%]	0,1
Determination of dimensions - width		
- Mean length	[mm]	480,2
- Min. average length	[mm]	480,1
- Max. average length	[mm]	480,3
- Difference between the smallest and the largest		0,2
average length		
- Max. deviation from mean length	[%]	< 0,1
- Max. deviation from nominal dimension	[%]	0,1
Squareness and straightness		
- Max. deviation	[mm]	< 0,20
- Max. deviation	[%]	< 0,04

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 [%]	±0,0
- Measurement 2 - length [%]	±0,0
- Measurement 3 - length [%]	±0,0
- Mean value - length [%]	±0,0
- Measurement 1 - cross [%]	+0,1
- Measurement 2 - cross [%]	+0,1
- Measurement 3 - cross [%]	+0,1
- Mean value - cross [%]	+0,1
3. Treatment	
- Measurement 1 - length [%]	-0,2
- Measurement 2 - length [%]	-0,3
- Measurement 3 - length [%]	-0,4
- Mean value - length [%]	-0,3
- Measurement 1 - cross [%]	±0,0
- Measurement 2 - cross [%]	-0,1
- Measurement 3 - cross [%]	-0,1
- Mean value - cross [%]	-0,1
4. Treatment	
- Measurement 1 - length [%]	-0,2
- Measurement 2 - length [%]	-0,2
- Measurement 3 - length [%]	-0,2
- Mean value - length [%]	-0,2
- Measurement 1 - cross [%]	±0,0
- Measurement 2 - cross [%]	-0,1
- Measurement 3 - cross [%]	-0,1
- Mean value - cross [%]	-0,1
Maximum distortion out of plane after treatment	
- Specimen 1 [mm]	0
- Specimen 2 [mm]	0
- Specimen 3 [mm]	0
RESISTANCE TO FRAYING EN 1814	
Number of specimen	4
Kind of test sample	tiles
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]	0,875
Total weight per unit area	[kg/m ²]	3,741
Side length max. deviation	[%]	< 0,1
Squareness and straightness of edges	[%]	< 0,04
Dimensional stability	[%]	-0,3 / +0,1
Curling / doming	[mm]	0
Damage at cut edge		none
Judgement		The submitted sample fulfils the additional requirements for permanent adhered carpet tiles according EN 1307, Annex A .

3 Remarks

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 the ÖTI.

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In this report individual non-accredited test procedures are marked with *.

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End of report