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Summary test report 06-585

Identification, basic information and use classification			
Name(s) (Number) of quality	**TORSO**	Date	23/04/07
Manufacturer/applicant	**Desseaux Dendermonde**	Type of carpet	Type 1
Type of manufacture (ref 1) *	tufted	Type of surface (ref 2)*	Cut pile
Basis requirements (Tabel 4 EN 1307)	Pass	Secundary backing (ref 4)*	Woven textile backing (synthetic)
Primary backing (ref 2)*	Man-made fibre fleece	Dimensions	Wall to wall
Colouring	Tonal	Yarn type	
Pile fibre composition (ref 5)*	100% polyamide	Surface pile thickness (mm)	4.0
Total thickness (mm)	6.5	Surface pile mass (g/m^2)	650
Total carpet mass (g/m^2)	2200	Number of tufts per m^2	193000
Surface pile density (g/cm^3)	0.160	Foam/felt thickness (mm)	-
Surface treatment for antistatic characteristics	No	Foam/felt (apparent) apparent density (g/cm^3)	-
Drum test Vetterman ST	4.0	Drum test Vetterman LT	3.5
Drum test Hexapod ST	-	Drum test Hexapod LT	-
Performance in appearance retention	33	Wear performance (ltr)	4.80
Test done on un underlay	No	Wear performance Wear index (WI)	-
Luxury class	LC3	Overall use class	33
Additional characteristics if applicable			
Castor chair suitability	Class A	Stair suitability	commercial use
Thermal resistance (m^2 K/W)	0.079	Suitable for underfloor heating (foam)	-
Insulation from impact noise (Δ Lw)	-	Acoustical absorbtion (α w)	-
Body voltage walking test (kV)	-	Acoustical absorbtion (α s)	-
Vertical resistance (Ω)	-	Horizontal resistance (Ω)	-
Incidental humid conditions suitability	-	Resistance to fraying	Pass
Specific information carpet tiles			
Type of tile			
Non adhered/loose laid	-	Dimensions of the tile (cm)	-
Adhered removable	-	Total mass individual tile (kg)	-
For permanent bonding	-	Total mass per unit area (kg/m²)	-
Basic requirements Annex A table A3	-	Creep	-

The manufacturer ensures that the quality complies with the requirements for colour fastness and waterstaining.
The use properties, mentioned in this summary, are valid for the samples tested. It is the responsibility of the producer to guarantee that the production tolerances on the identification parameters are within the values stated in EN 1307 table 3.

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Ghent University - Department of Textiles

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contact	**e-mail**	**date**
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TEST REPORT 06-585

Sample received : a textile floorcovering quality **TORSO** - Received 12/09/06

Aim of the tests : Classification of the carpet in accordance with EN 1307 - 2005.
The tests were finished in week 15/2007

Identification of the carpet sample given by the manufacturer and approved by UGent:

Production method :	tufted	
Surface structure :	cut pile	
Pile material :	100% polyamide	
Backing :	synthetic textile	
Total mass * (g/m²) :	2200	ISO 8543
Surface pile mass * (g/m²) :	650	ISO 8543
Total thickness * (mm) :	6.5	ISO 1766
Surface pile thickness * (mm) :	4.0	ISO 1766
Surface pile density * (g/cm³) :	0.160	ISO 8543
Number of tufts * (NZ/dm²) :	1930	ISO 1763
Type carpet	type 1	

The test results only apply to materials that correspond to the tested sample. Forgery will be legally prosecuted, just like partial reproduction without prior written permission . The tests that are marked ° are not accredited. Advices and interpretations are not covered by the accreditation.
The department of Textiles is Notified laboratory n°1611 for the European Products directive 89/106/EC.

BELAC ISO/IEC17025 055-test

OBTAINED RESULTS

1) Basic requirements

Fibre bind synthetic carpet (see test report 00-158A) EN 1963

cut pile: loss of weight of the shorn pile weight < 25% after the Lisson test with the calibrated number of cycles.

The weight loss is 2.19% < 25%; consequently, the basic requirement is fulfilled.

2) Wear (see test report 00-158A):

Lisson-test* EN 1963

Calibrated number of cycles: 2100

M_v = absolute weight loss (g/m²)	14.62
Relative weight loss (%)	2.19
Index Tetrad I_{TR}	4.80

3) Change of appearance : vetterman drum * ISO 10361

Assessment EN1471

	change after 5000 rotations		
Assessor	colour	structure	corrected structure
1	4-5	4.0	-
2	4-5	3.5	-
3	4-5	4.0	-
average	**4-5**	**4.0**	**-**

	change after 22000 rotations		
Assessor	colour	structure	corrected structure
1	3-4	3.5	-
2	3-4	3	-
3	3-4	3.5	-
average	**3-4**	**3.5**	**-**

Remark: when assessment of colour equals 2 or is lower than 2, structure is upgraded with 0.5 value.

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4) Determination of the Luxury class (see test report 00-158A)

Luxury factor CF 29

The carpet obtains Luxury class **LC3.**

5) Additional properties

5.1 Determination of Castor Chair Suitability * (see test report 00-158A) EN 985

Assessment in accordance with scale 1-5 :

	Structure	Colour
After 5000 cycles	3	3
After 25000 cycles	2	2-3

Castor chair index r 2.8 "continuous use"

Assessment scale 1-5:
5: no changes
4: slight changes
3: moderate changes
2: severe changes
1: very severe changes

5.2 Suitability for use on stairs * (see test report 00-158A) EN 1963 B

Since the stair nose shows only a slight change of structure, the carpet is suitable for use in stairs "commercial use".

5.3 Fraying behaviour * (see test report 00-158A) EN 1814

Close inspection of the cut edge reveals no damage.

5.4 Thermal resistance (see test report 00-158A) ISO 8302

Temperature cooling plate / heating plate	Heat transmission $1/\lambda$ in $m^2.K/W$
25 °C / 35 °C	0.079
30 °C / 40 °C	0.079
35 °C / 45 °C	0.078
average	**0.079**

Thermal resistance (one layer) at 10 °C (average temperature) : $1/\Lambda_{10,g} = 0{,}080\ m^2K/W$

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