

**Summary test report 16-0899-04 & 17-0459-01**

Identification, basic information and use classification			
Product identity	<b>Forto</b>	Date (dd.mm.yyyy)	27.09.2016
Manufacturer/applicant	<b>Desso BV</b>	Type of surface (ref 2)	flat
Type of manufacture (ref 1)	Needled	Primary backing (ref 3)	-
Carpet type (table 4)	Needle felt	Secondary backing (ref 4)	bitumen
Basic requirements (table 3)	Pass	Dimensions	tiles
Colouring (ref 5)	Tonal	Yarn type	-
Total thickness (mm)	7.1	Pile fibre composition	70% PA/30% PES
Total carpet mass (g/m <sup>2</sup> )	4626	Surface pile thickness (mm)	2.1
Surface pile density (g/cm <sup>3</sup> ) <sup>a)</sup>	0.222	Surface pile mass (g/m <sup>2</sup> ) <sup>a)</sup>	472
Surface treatment for antistatic char.	No	Number of tufts per dm <sup>2</sup>	-
Drum test Vettermann short term <sup>b)</sup>	-	Drum test Vettermann long term <sup>b)</sup>	-
Drum test Hexapod short term <sup>b)</sup>	-	Drum test Hexapod long term <sup>b)</sup>	-
Test done on underlay	No	Hairiness <sup>c)</sup>	3-4
Appearance retention class	-	Abrasion resistance (g/m <sup>2</sup> ) m <sub>a</sub> /m <sub>v</sub> <sup>d)</sup>	23.55
Change in colour 750 cycles <sup>c)</sup>	4	General structural integrity <sup>d)</sup>	Pass
Change in colour 5000 cycles <sup>c)</sup>	3-4	Change in colour 25000 cycles <sup>c)</sup>	2-3
Peel resistance <sup>e)</sup>	-	Abrasion resistance blade test <sup>e)</sup>	-
Water impermeability <sup>e)</sup>	-	Dimensional stability <sup>e)</sup> (loose laid only)	-
Overall use class	33	Luxury class	LC2
Additional characteristics if applicable			
Castor chair suitability	Intensive use	Stair suitability	-
Thermal resistance (m <sup>2</sup> .K/W)	0.0784	Impact sound insulation (Δ L <sub>w</sub> )	-
Body voltage walking test (+2kV<x<-2kV)	Pass	Sound absorption α <sub>w</sub>	-
Vertical resistance (Ω)	-	Static dissipative floor covering Ω	-
Horizontal resistance (Ω)	-	Conductive floor covering Ω	-
Incidental humid conditions suitability	-	Resistance to fraying	-
Specific information carpet tiles			
Type of tile	Loose lay	Basic requirements Annex A	Pass
Non adhered/loose laid	Pass	Dimensions of the tile (cm)	50x50
Adhered removable	Pass	Total mass individual tile (kg)	1.2
For permanent bonding	Pass	Total mass per unit area (kg/m <sup>2</sup> )	4.6

<sup>a)</sup> Applicable for carpets with pile and needled carpets type B1, B2 and B3.

<sup>b)</sup> Applicable for carpets with pile, carpets without pile and needled carpets type B1, B2 and B3.

<sup>c)</sup> Applicable for needled carpets type A1, A2 and A3.

<sup>d)</sup> Applicable for carpets without pile and needled carpets type A1, A2, A3, B1, B2 and B3.

<sup>e)</sup> Applicable for flock carpets.

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.

Didier Van Daele  
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