

# Essence Structure

Preliminary specification according to EN 1307

Type of manufacture	ISO 2424		Tufted 1/10 "					
Aspect	ISO 2424		Loop pile					
Dye method			Solution dyed					
Dimensions	EN 994	cm x cm	50 x 50 / 19,68" x 19,68" (20 tiles per box)					
Primary backing	ISO 2424		Polyester fleece					
Secondary backing	ISO 2424		Modified bitumen Polyver®					
Pile fibre composition	ISO 2424		BCF Polyamide 6					
Total thickness	ISO 1765	mm	6.3	inch	0.2			
Effective pile thickness	ISO 1766	mm	2.8	inch	0.11			
Total mass	ISO 8543	g/m <sup>2</sup>	4100	oz/yd <sup>2</sup>	121.0			
Total pile mass	ISO 2424	g/m <sup>2</sup>	580	oz/yd <sup>2</sup>	17.1			
Effective pile mass	ISO 8543	g/m <sup>2</sup>	320	oz/yd <sup>2</sup>	9.4			
Pile density	ISO 8543	g/cm <sup>3</sup>	0.114	lb/in <sup>3</sup>	0.0041			
Number of tufts	ISO 1763	/dm <sup>2</sup>	1580	/yd <sup>2</sup>	132104			
Stroll test	ISO 6356	kV	≤ 2,0					
Vertical resistance	ISO 10965	Ohm	-					
Horizontal resistance	ISO 10965	Ohm	-					
Use classification	EN 1307		33 Commercial - heavy use					
Luxury rating	EN 1307		LC 1					
Dimensional stability	EN 986	%	≤ 0,2					
Impact sound reduction ΔL <sub>w</sub>	ISO 10140	dB	24					
Sound absorption	ISO 354	Freq. Hz	125	250	500	1000	2000	4000
		α <sub>s</sub>	0.00	0.00	0.05	0.15	0.30	0.35
Noise reduction	ISO 354	α <sub>w</sub>	0.15					
Thermal resistance	ISO 8302	m <sup>2</sup> .K/W	0.071					
Flammability	EN 13501-1		Bfl - s1 (loose laid tested)					
Prodis - GUT	www.pro-dis.info		0FCE0C9C					

EN 14041  
0493-CPD-0002

Manufactured by:

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Quality- and Environmental  
Management System Certification  
ISO 9001 & ISO 14001

**BRONZE**

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