

G – Floor Technical Data (1) :

Characteristics	Test Method	Tested Value	Required Value According to EN 438 - 5
Thickness	EN 438-2 Section 5	According to Spécification / Customer demande	0.5 ≤ t ≤ 1.0 mm : ± 0.10 mm 1.0 < t < 2.0 mm : ± 0.15 mm
Density	EN ISO 1183:1987	1.37 gr/cm ³	Min. 1.35 gr/cm ³
Flatness	EN 438-2 Section 9	38 mm / 1 M Length	Max. 60 mm / 1 M Length
Abrasion Resistance Initial Point (IP)	EN 438-2 Section 11		Min. Revolutions ⁽¹⁾
	AC1	1850	900
	AC2	2800	1800
	AC3	4500	2500
	AC4	6500	4000
	AC5	10,800	6500
Impact Resistance	EN 438-2 Small Ball Section 20	22 N	Min. 20 N
	Large Ball section 22 Drop Height Indentation Diameter	1800 mm 5 mm	Min. 1600 mm Max. 10 mm
Resistance to wet Heat (100°c)	EN 12721:1997	Rate 4	Min Rate 4
Dimensional stability at elevated temperature	EN 438-2 Section 17 0.9 mm	L = %0.48 T = %0.95	t < 1 mm L = 0.65% Max. T = 1.15% Max.
	1.5 mm	L = %0.38 T = %0.75	1 ≤ t ≤ 2 mm L = 0.45% Max. T = 0.90% Max.

G – Floor Technical Data (1) :

Characteristics	Test Method	Tested Value	Required Value According to EN 438 - 5
Resistance to Staining	EN 438-2 Section 26		
	Group 1 & 2	Rate 5	Min. Rate 5
	Group 3	Rate 5	Min Rate 4
Light Fastness (Xenon arc)	EN 438-2 Section 27		
	Grey Scale Rating	Rating 4	Rating 4 - 5
Resistance to Water Vapor	EN 438-2 Section 14	Rate 5	Min. Rate 4
Resistance to Cigarette Burns	EN 438-2 Section 30	Rate 4	Min. Rate 4

(1) The classification system makes reference to EN 685:1995 (level of use) in combination with the Abrasion Class (AC) given by numerical rating of 1 to 5 defining the level of abrasion resistance, 5 being the highest and 1 the lowest performance. For Classification system see attached Table 1.

Table 1 : Classification System and Typical Applications :

EN 685:1995 Classification	Level of Use	Description	Examples of Application	Abrasion Class
21	Moderate domestic	Residential areas with low or intermittent use	Bedrooms	AC1
22	General domestic	Residential areas with medium use	Living rooms Entrance hall	AC2
23	Heavy domestic	Residential areas with intense use	Living rooms Entrance hall	AC3
31	Moderate commercial	Commercial areas with low or intermittent use	Hotel room small Offices hotels Boutiques	
32	General commercial	Commercial areas with medium use	Classroom small Office hotel Boutiques	AC4
33	Heavy commercial	Commercial areas with heavy use	Corridors Department stores School – multipurpose halls Open plan offices	AC5