



Technical Data Sheet

G-Floor®

G-Floor® is widely used in data processing and computer rooms as well as stairs and raised access floors.

It is an excellent floor covering material favoured for dynamic fields like offices, houses and business centers thanks to its high resistant structure against abrasion and scratching, simple composition and easy cleaning.

HPL-CPL

It can be produced in AC2, AC3, AC4, AC5 classes upon the customer request.

EN Classification		HGS, CGS
EN 438 3 / 4 / 5	Thickness Range	0,8mm - 20mm
	Dimensions	1220x2440mm / 1300x2800mm / 1300x3050mm other dimensions upon request


WATER
REPELLANT


DRY HEAT
RESISTANCE


SCRATCH &
ABRASION
RESISTANCE


LOW LIGHT
REFLECTIVITY


HEAT & COLD
RESISTANCE


EASY TO
CLEAN


ULTRA COLOR
INTENSITY


IMPACT
RESISTANCE


RESISTANCE TO
HOUSEHOLD
CHEMICAL

Characteristics	Test Method	Test Value	Required Value According to EN 438-5
Thickness	EN 438-2 section 5	According to Spécification Customer demande	$0.5 \leq t \leq 1.0 \text{ mm} : \pm 0.10 \text{ mm}$ $1.0 < t < 2.0 \text{ mm} : \pm 0.15 \text{ mm}$
Density	EN ISO 1183:1987	1.37 gr/cm	Min. 1.35 gr/cm ³
Flatness	EN 438-2 section 9	338 mm / 1 M length	Max. 60 mm / 1 M length
Abrasion Resistance Initial Point (IP)	EN 438-2 section 11 AC1 AC2 AC3 AC4 AC5	1850 2800 4500 6500 10,800	Min. Revolutions(1) 900 1800 2500 4000 6500
Impact Resistance	EN 438-2 Small Ball section 20 Large Ball section 22 Drop Height Indentation Diameter	22 N 1800 mm 5 mm	Min. 20 N 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 1.5 mm	L = 0.48% T = 0.95% L = 0.38% T = 0.75%	t < 1 mm L = 0.65% Max. T = 1.15% Max. 1 ≤ t ≤ 2 mm L = 0.45% Max. T = 0.90% Max.
Resistance to Staining	EN 438-2 Section 26 Group 1 & 2 Group 3	Rate 5 Rate 5	Min. 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

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