

Classification requirements and levels of use

Class:	Levels of use						Test method
	Domestic			Commercial			
	Moderate	General	Heavy	Moderate	General	Heavy	
	21	22	23	31	32	33	
Abrasion resistance	AC1	AC2	AC3		AC4	AC5	Annex E
Impact resistance	IC1				IC2	IC3	Annex F
Resistance to staining	4, (groups 1 and 2) 3, (group 3)	5, (groups 1 and 2) 4, (group 3)					EN 438
Resistance to cigarette burns	—	4					EN 438
Effect of a furniture leg	—		No damage shall be visible, when tested with foot type 0				EN 424
Effect of a castor chair	—		No change in appearance or damage, as defined in EN 425. Single-wheel castors, as defined in EN 12529:1998, 5.4.4.2 (Type W) shall be used.				EN 425
Thickness swelling	≤ 20,0 %			≤ 18,0 %			Annex G

Expression of results

Calculate the average of the IP-values obtained from the three test specimens to the nearest 100 revolutions. Express the abrasion resistance of a laminate floor covering as one of the abrasion classes (AC1, AC2, AC3, AC4, AC5) according to Table E.1.

Abrasion classes - table E.1

Abrasion class	AC1	AC2	AC3	AC4	AC5
Average IP-value from three test specimens	≥ 900	≥ 1500	≥ 2000	≥ 4000	≥ 6000