

# Technical Data Sheet

## Artcomfort Floating HPS

				Artcomfort HPS
Level of use Domestic	EN 685	Class	23	
Level of use Commercial	EN 685	Class	33	
Level of use Industrial	EN 685	Class	42	
Surface Finishing				UV-cured Acrylic varnish with nano particles
General Properties EN 14085 + EN 12104 + EN 655		Standard- Test Method	Unit	Specification
Dimensions - Rectangular panels: Width Length	EN 427	% mm		± 0,10 with max. 0,5 mm max. 2,0
Overall thickness	EN 428	Average mm Individual values mm		Nominal ± 0,25 Maximum deviation from the average ± 0,30
Squareness Straightness measured at the surface layer	EN 427	mm		≤ 0,50 ≤ 0,30
Flatness of the panel: Length: Concave / convex Width: Concave / convex	EN 14085 Annex A	%		≤ 0,50 / ≤ 1,0 ≤ 0,10 / ≤ 0,15
Openings between panels: Average Individual values	EN 14085 Annex B	mm		< 0,15 < 0,20
Height difference between panels: Average Individual values	EN 14085 Annex B	mm		< 0,15 < 0,20
Dimensional variation caused by changes in atmospheric humidity	EN 14085 Annex C / EN 669	%		< 5
Thickness of top cork surface	EN 428	mm		3,1
Peel Resistance N/50 mm: Average Individual values	EN 431	N/50 mm		> 35 > 25
Wearing Group	EN 660-1	Thickness loss (mm)		≤ 0,08 ; Group T
Mass per unit area	EN 430	g/m <sup>2</sup>		8700 +13% -10%
Apparent density: Average Individual values	EN 436	Kg/m <sup>3</sup>		825 +/- 50
Classification properties - EN 14085				
Castor chair	EN425	Visual effect after 25 000 cycles		No disturbance to the surface other than slight change in appearance and no delaminating shall occur
Simulated movement of a furniture leg	EN 424	Visual effect		No damage shall be visible when tested with foot type 2
Thickness swelling floor panel	ISO 24336	%		≤ 18
Residual indentation	EN433	mm		≤ 0,2
Safety properties - EN 14041				
Fire resistance	EN13501-1	Class		Bfl s1
Slip Classification	EN 13893	Class		DS
Formaldehyde emission	DIN EN 717-1	Class		E1
Electrical behaviour	EN 1815	KV		Not Antistatic
Content pentachlorophenol (PCP)	CEN/TR 14823 (ind-W 409)	mg/Kg		PCP Free
Optional properties				
Stains Resistance (a)	EN 438	Grade		Grade 5 = No visible change
Colour fastness	EN ISO 105-B02	Blue wool scale		> =6
Thermal resistance	EN 12667	(m <sup>2</sup> K)/W		R < 0.15 (m <sup>2</sup> K)/W (b)
Impact sound reduction	ISO 140-8	dB (ΔL <sub>w</sub> )		18
Step sound/ Step sound reduction	NF S 31 - 074	L <sub>n,e,w</sub> (dB)/ΔE <sub>pw</sub> (dB)		86/3 (c)

(a) The following products were tested: Acetone, Coffee, NaOH, H<sub>2</sub>O, at 3%, Black shoe cream  
 (b) Suitable for floor heating systems, according to German Federal Association Radiant Panel Heating  
 (c) Slab with Artcomfort floating HPS reduces in 3dB the step sound when compared with the reference slab.

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