

Technical Data Sheet

			Artcomfort Floating		
			NSP 1220 x 185 x 10,5mm 48 x 7 1/4 x 3/8"	NPC 1830 x 185 x 11,5mm 72 x 7 1/4 x 1/2" 1220 x 185 x 10,5mm 48 x 7 1/4 x 3/8" 905 x 295 x 10,5mm 35 5/8 x 11 5/8 x 3/8" 605 x 445 x 10,5mm 23 13/16 x 17 1/2 x 3/8"	HPS 1220 x 185 x 10,5mm 48 x 7 1/4 x 3/8" 905 x 295 x 10,5mm 35 5/8 x 11 5/8 x 3/8" 605 x 445 x 10,5mm 23 13/16 x 17 1/2 x 3/8"
Level of use Domestic	ISO 10874	Class	23	23	23
Level of use Commercial	ISO 10874	Class	-	32	33
Surface Finishing			Polyurethane moisture-curing	Polyurethane moisture-curing	UV-cured Acrylic varnish with nano particles
	Standard- Test Method	Unit	Specification	Specification	Specification
General Properties EN 14085 + EN 12104 + EN 655 + EN 14041					
Dimensions - Rectangular panels: Width Length	ISO 24342	% mm	± 0,10 with max. 0,5 mm max. 2,0	± 0,10 with max. 0,5 mm max. 2,0	± 0,10 with max. 0,5 mm max. 2,0
Overall thickness	ISO 24346	Average mm Individual values mm	Nominal ± 0,25 Maximum deviation from the average ± 0,30	Nominal ± 0,25 Maximum deviation from the average ± 0,30	Nominal ± 0,25 Maximum deviation from the average ± 0,30
Squareness Straightness measured at the surface layer	ISO 24342	mm	≤ 0,50 ≤ 0,30	≤ 0,50 ≤ 0,30	≤ 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	≤ 0,50 / ≤ 1,0 ≤ 0,10 / ≤ 0,15	≤ 0,50 / ≤ 1,0 ≤ 0,10 / ≤ 0,15
Openings between panels Average Individual values	EN 14085 Annex B	mm	≤ 0,15 ≤ 0,20	≤ 0,15 ≤ 0,20	≤ 0,15 ≤ 0,20
Height difference between panels Average Individual values	EN 14085 Annex B	mm	≤ 0,15 ≤ 0,20	≤ 0,15 ≤ 0,20	≤ 0,15 ≤ 0,20
Dimensional variation caused by changes in atmospheric humidity	EN 14085 Annex C / EN 669	%	≤ 5	≤ 5	≤ 5
Thickness of top cork surface	ISO 24346	mm	≥ 3	≥ 3	3,1
Peel Resistance N/50 mm Average Individual values	ISO 24345	N/50 mm			> 35 > 25
Wearing Group	EN 660-1	Thickness loss (mm)			≤ 0,08 ; Group T
Mass per unit area	ISO 23997	g/m ²	8000 +/-10%	8000 +/-10%	8700 +13% -10%
Apparent density Average Individual values	EN 672	Kg/m ³	≥ 760 ≥ 95% nominal value	≥ 760 ≥ 95% nominal value	825+/- 50
Classification properties - EN 14085 + EN 12104					
Castor chair	EN 425	Visual effect after 25 000 cycles	No disturbance to the surface other than slight change in appearance and no delaminating shall occur	No disturbance to the surface other than slight change in appearance and no delaminating shall occur	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	No damage shall be visible when tested with foot type 2	No damage shall be visible when tested with foot type 2
Thickness swelling floor panel	ISO 24336	%	≤ 18	≤ 18	≤ 18
Residual indentation	ISO 24343-1	mm	≤ 0,3	≤ 0,3	≤ 0,2
Safety properties - EN 14041					
Fire resistance	EN13501-1	Class	Cfl s1	Cfl s1	Bfl s1
Slip Classification	EN 13893	Class	DS	DS	DS
Formaldehyde emission	DIN EN 717-1	Class	E1	E1	E1
Electrical behaviour	EN 1815	KV	Not Antistatic	Not Antistatic	Not Antistatic
Content pentachlorophenol (PCP)	CEN/TR 14823 (Ihd-W 409)	mg/Kg	PCP Free	PCP Free	PCP Free
Optional properties					
Stain Resistance	EN 438 (a)	Grade			Grade 5 = No visible change
	ISO 26987 (b)	Grade	Grade 0 = unchanged (c)	Grade 0 = unchanged (c)	
Light fastness	ISO 105-B02	Blue wool scale			≥ 6
	EN 15187	Blue wool scale	> 6	> 6	
Abrasion Resistance	EN 14354 Annex D	Revolutions Wt			-
	EN 13329 EN 14354	Class	AC4 WR3	AC6 WR3	
Thermal resistance	EN 12667	(m ² K)/W	R≤ 0.15 (m ² K)/W (d)	R≤ 0.15 (m ² K)/W (d)	R≤ 0.15 (m ² K)/W (d)
Impact sound reduction	ISO 140-8	dB (ΔL _w)	18	18	18
Step sound/ Step sound reduction	NF S 31 - 074	L _{n,e,w} (dB)/ΔE _{ρw} (dB)	86/3 (e)	86/3 (e)	86/3 (e)
Walking noise	IHD - w431	dB (A)	Reduction improvement 12dB Difference of loudness 47,5%	Reduction improvement 12dB Difference of loudness 47,5%	Reduction improvement 11,1 dB (A) Difference of loudness 53,3%

- (a) The following products were tested: Acetone, Coffee, NaOH, H₂O₂ at 3%, Black shoe cream
(b) The following products were tested: Disinfectant, benzene, ammonium (NH₄OH), ethanol (C₂H₅OH), citric acid, iodine
(c) Grade 0 - Unchanged / Grade 1 - Very little change. With ethanol we got grade 1 after 2 hours.
(d) Suitable for floor heating systems, according to German Federal Association Radiant Panel Heating
(e) Slab with Artcomfort floating HPS/NPC reduces in 3dB the step sound when compared with the reference slab.