Technical Data Sheet

Test	Standard	Unit	**Cork**comfort **Floating WRT**	**Cork**comfort **Floating HPS**	**Cork**comfort **Glue-down PU**	**Cork**comfort **Glue-down WRT**	**Cork**comfort **Glue-down HPS**
Level of use	EN 685	Class					
Domestic			23	23	23 (a)	23	23
Commercial			31	33	31 (b)	31	33
Industrial			—	42	—	—	42
UPEC Rating	NF	Class	—	—	—	—	U3P3E2C2
General properties	**EN 12104 / EN 655 / EN 14085**						
Dimensions	EN 427 / EN 428	mm	905x295x10,5 605x445x10,5	905x295x12 605x445x12	600x300x6 600x450x4	600x300x4 600x450x4	300x300x3,2 600x300x3,2 600x450x3,2
		Inches	35-5/8x11-5/8x13/32 23-13/16x17-1/8x13/32	35-5/8x11-5/8x15/32 23-13/16x17-1/8x15/32	23-5/8x11-13/16x2/8 23-5/8x17-23/32x5/32	23-5/8x11-13/16x5/32 23-5/8x17-23/32x5/32	11-13/16x11-13/16x1/8 23-5/8x11-13/16x1/8 23-5/8x17-23/32x1/8
Wear layer thickness	EN 429	mm	—	0,50	—	—	0,50
Apparent density	EN 672	Kg/m³	760	825	>500	>500	>800
Mass per unit area	EN 430	g/m²	8000	9900	3000	2300	2700
Dimension stability	EN 434 / EN 669	%	EN 669 Direction 1: 0.00 Direction 2: 0,01	EN 669 Length: 0,04 Width: -0,02	EN 434: Direction 1: - 0,75 Direction 2: - 0,74	EN 434: Direction 1: - 0,86 Direction 2: - 0,80	EN434 Direction 1: - 0,07 Direction 2: - 0,12
Gloss	Glossmeter	degrees Gardner	10° ± 3	10° ± 3	—	10° ± 3	10° ± 3
Safety properties							
Fire resistance	DIN 4102-1	Class	—	B1	B2	—	B1
	DS/INSTA 414	Pass/fail	—	—	—	—	Passes
	UNE 23.727-90	Class	—	—	—	—	M3
	SS 024825 (NT Fire 007)	Class	—	—	—	—	G
	NF	Class	—	—	M3	M3	M3
	EN13501-1	Class	Cfl s1	Bfls1	Cfls1	Dfls1	Cfls1
	C.S.E. RF 2/75/A-RF 3/77	Class	—	1	—	—	1
Surface flammability	ASTM D2859	Pass/fail	—	Passes	Passes	Passes	Passes
Critical radiant flux	ASTM E 648-3	Watts/ Square Cm	.23	0,83	.53	—	0,40
Specific optical density	ASTM E 662-03	Density	Flaming: 199 / Non flaming: 177	Flaming: 393,8 / Non flaming: 438,3	Flaming: 148 / Non flaming: 264	Flaming: 145,8 / Non flaming: 287,43	Flaming: 279,3 / Non flaming: 386,4
Slip classification	EN 14041	Class	DS	DS	—	DS	DS
Sliding coefficient	EN 13893	Coeff.	0,57	—	—	0,57	—
	EN DIN 51131		0,47	—	—	0,47	—
Slippery safeness	Dresden parameters	Class	Safe	—	—	Safe	—
	DIN 51130	Class	R-10	R-10	—	R-10	R-10
Static coefficient of friction	ASTM C1028-89	Coeff.	Dry: 0.65; Wet: 0.69	Dry: .69; Wet: .94	Dry: .69; Wet: .79	Dry: 0.65; Wet: 0.69	Dry: .76; Wet: .92
Additional properties							
Impact sound reduction	ISO 140-8	dB	16	18	21	16	9
Step sound	NF S 31 - 074	dB	78	78	—	—	—
NRC Noise reduction class	ASTM C423-90a	dB	—	0.10	0.05	0.10	0.05
STC sound transmission class	ASTM E413-87	dB	54	54	53	53	53
IIC Impact insulation class	E492-04	dB	58	59	57	56	53
Surface noise radiation	ANSI S12.32-1990	dBA	—	92.1	87.7	87.5	89.6
Thermal resistance	DIN 52612	m2K/W	—	10°C: 0,1099	10°C: 0.097	10°C: 0.0642	10°C: 0.0393
	ASTM C-518-04	(R-value)	—	0,57	0.50	0,29	0,16
	EN 12667	m²K/W	0,102	0,114	0,073	—	0,027

(a) Must be varnished on-site with minimum 1-2 coats of W-700 or W-2000 or another recommended varnish
(b) Must be varnished on-site with minimum 1-2 coats of W-2000 or another recommended varnish for this level of use
(c) No changes of the wear layer nor delamination
(d) No damage of the wear layer
(e) Rate 6 of the blue scale; rate 4 of the gray scale
(f) Several commercial and domestic products tested (30 minutes and 2 hours contact). Only Acetone (100%) and Ethyl alcohol have caused a very slight alteration of the surface. All the others have caused no alteration.
(g) The following products were tested (60 mins and 24 hours ratings): 5% Acetic Acid, 70% Isopropyl Alcohol, Mineral Oil, 5% Sodium Hydroxide, 5% Hydrochloric Acid, 5% Ammonia, Bleach, 5% Phenol, Gasoline, Kerosene, Sulfuric Acid, Olive Oil
(h) 5% Sodium Hydroxide and 5% Phenol have caused a "Slight Change"
(i) No changes after testing the following chemicals: Acetic acid (5%ig), Hydrochloric acid (5%ig), Sodiumhydroxid-Solution (10%ig), Aceton, Petrol, Oil, Fat, Shoe polish (black), Red wine, Milk
(j) The following products were tested: acetone, coffee, 10% citric acid, 25% caustic soda solution. This last product caused changes on the surface.
(k) Causes slight damages on the surface
(l) The following products were tested: acetone, coffee, NaOH, Hydrogensuperoxyde (H2O2, 3%), Black shoe cream, Citrus acid (solution of 10%)
(m) Acetone causes grade 1 effects
(n) The following products were tested: Olive oil, Butter, Condenced milk, Red wine, Petrol, Acetic acid, Soda ash; all cause grade 5 effects ((no visible change)
(o) The following products were tested: Cleaning agent, Cleaning solution; all caused grade 5 effects (no visible changes)
(p) rate 0 = no observed effect. The following products were tested: 5% acetic acid; vinegar; 70% isopropyl alcohol, Mineral oil, NaOH Sodium oxide, 5% HCl Hydrochloric acid, 5% H2SO4 Sulfuric acid, 5% NaOCl Household ammonia, 5% Phenol desinfectant, Kerosene, Olive oil, Unleaded gasoline

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Thermal conductivity	EN 12667	W/mK	0,105	0,106	0,084	—	0,117
Heat dissipation	DIN 52614	KJ/m2	—	W1: 27 / W10: 111	W1: 33 / W10: 136	W1: 27 / W10: 123	W1: 36 / W10: 184
Wear resistance	EN 660-1	mm(thickness)/ gr.(weight)	—	Thickness loss: 0,050 Weight loss: 0,93	—	—	Thickness loss: 0,058 Weight loss: 1,12
	EN 660-2	gr./100 cycles	—	0,047	—	—	0,047
	EN 14354	Nr. of Cycles	8800	—	—	8800	—
	ASTM D3884	Cycles/ Wheigt loss	—	Cycles: 7300 / Wheight loss: 0,00069 grams	—	Cycles: 475 / Wheight loss: 0,189 grams	Cycles: 6800 / Wheight loss: 0,00147 grams
	NEMA LD-3	Cycles & grams/100 cycles	3100 & 0.0053		—	—	—
Accelareted wear test	SATRA TMD:2004 (BS 7976-2: 2002 Pendulum testers) (BS EN 423:2022 - Determination of effect of stains)	Cycles (1,000,000)	—	No stain from red wine. No changes of HPS wear layer thickness Sliding potencial not affected. Excelent appearence retention	—	—	No stain from red wine. No changes of HPS wear layer thickness. Sliding potencial not affected Excelent appearence retention
Castor chair test	EN 425	Effect	(c)	(c)	—	(c)	(c)
Chair leg resistance	EN 424	Effect	(d)	(d)	(d)	(d)	(d)
Residual indentation	EN 433	mm	-0,02	-0,02	-0,45	-0,02	-0.02
	ASTM F1914-98	% loss	—	10.6	26	—	22.8
Scratch resistance	EN 438	N	1,60	4	—	1,60	4
Scuff resistance	IHD 445	Method A-%/ Method B-Grade	—	-5,5 0	—	—	-5,5 0
	Mar test	Grade	—	0	—	—	0
Impact resistance	EN 438	N	Small ball: 14	4	—	Small ball: 14	4
		mm (high falling)	Big ball: 1300	—	—	Big ball: 1300	—
Static load limit	ASTM F970-87	Inch (%)	—	.006 Inch (1.6%)	.005 Inch (1.9%)	—	.000 Inch (0.0%)
Static electrical propensity	EN 1815	Volt	3100	1100	900 (antistatic) ASF - class 2	1900	1500
Electrical resistance	EN 1081	Ohm	$6x10^{12}$	$3x10^{12}$	$3x10^{12}$	$2x10^{12}$	Rv: $1.19x10^{11}$ / Rh: $7.3x10^{11}$
Electrostatic propensity	AATCC 134-1991	KV	—	NEG 0.4	—	—	NEG 0.5
Effect of stains	EN 423	Effect	—	(n)	—	—	(n)
	EN 12720	Effect	—	(o)	—	—	(o)
Chemical resistance	ASTM F925-97	Surf. dulling	(p) rate 0	(p) rate 0	—	(p) rate 0	(p) rate 0
		Surf. attack	—	No change	—	—	No change
		Color change	—	No change	—	—	No change
Stain resistance	AATCC Gray scale	Immediate blotting	—	No stain	—	—	No stain
		Cleaned after 24 hours	—	No stain	—	—	No stain
Effect of stains (l)	EN 438, part 2	Grade 1= surface destruction; 5= no visible changes	5(m)	5/5	—	5(m)	5/5
Resistance to cigarette burns	EN 1399	Burning	—	(k)	—	—	(k)
		Stubbed	—	(k)	—	—	(k)
Colour fastness	EN ISO 105-B2	Rating	4,5	(e)	—	4,5	(e)
	EN ISO 20105-B02	Blue wool scale	≥ 6	—	—	≥ 6	—
Colour fastness to light (Xenon Arc)	AATCC 16E	Rating 1-5 (5 is the best)	—	3	5	—	4.5
Formaldehyde emission	DIN EN 717-1/2	mg HCHO/hm^2	2,1	0,6	0,3	—	<0,2
		mg/m^2	0,01	0,01	0,01	—	0,01
		ppm	0,01	0,01	0,01	—	0,01
		Class	E1	E1	E1		E1
PCP (pentachlorophenol)	CEN/TR 14823 (ihd-W 409)	mg/Kg	0,5 (PCP free)	<0,3 (PCP free)	n.d (PCP free)	—	n.d (PCP free)
VOC emission	CEN ENV 13419 (ECA-IAQ)	Ecological evaluation	Positive	Positive	Positive	Positive	Positive