

	Standard	Unit	Value Cork - Super HRF	Value DP - Super HRF
Level of use Domestic	ISO 10874	Class	Class 23	Class 23
Level of use Commercial	ISO 10874	Class	Class 33	Class 33
General properties EN 16511				
Thickness	ISO 24337	mm	nominal +- 0,25	nominal +- 0,25
Length	ISO 24337	$\Delta l \leq 0,5$ mm	nominal value 1225 mm	nominal value 1225 mm
Width	ISO 24337	$\Delta w_{avg} \leq 0,10$ mm, relative to nominal value $w_{max} - w_{min}$ $\leq 0,20$ mm	nominal value 190 mm	nominal value 190 mm
Squareness	ISO 24337	q_{max} (mm)	$\leq 0,20$	$\leq 0,20$
Straightness	ISO 24337	s_{max} (mm/m)	$\leq 0,30$	$\leq 0,30$
Openings	ISO 24337	mm	$\leq 0,20$	$\leq 0,20$
Height difference	ISO 24337	mm	$\leq 0,15$	$\leq 0,15$
Flatness of the panel (Length - concave/ convex)	ISO 24337	%	$\leq 0,50 / \leq 1,00$	$\leq 0,50 / \leq 1,00$
Flatness of the panel (Width - concave/ convex)	ISO 24337	%	$\leq 0,15 / \leq 0,20$	$\leq 0,15 / \leq 0,20$
Classification properties EN 16511				
Wear resistance IP	EN 15468, procedure B	n° revolutions	> 5000 revolutions	> 5000 revolutions
Impact resistance [mm] (big ball)	EN 13329: 2006+A1:2008, Annex F	mm	≥ 1600	≥ 1600
Effect of furniture leg	EN 424 (tested with foot type 0) ISO 16581		no visible change/ damages	no visible change/ damages
Castor chair resistance	EN 425	Visual effect after 25 000 cycles	no visible change/ damages	no visible change/ damages
Dimensional stability due to variation of temperature	EN ISO 23999	%	$\leq 0,25$	$\leq 0,25$

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Safety properties EN 14041				
Fire resistance	EN 13501-1:2010		Bfl-S1	Cfl-S1
Slip Classification	N 13893		DS	DS
Formaldehyde emission	EN 717 - 1		E1	E1
Content pentachlorophenol (PCP)	EN 14041, Annex B	%	Undetectable	Undetectable
Thermal conductivity	EN 12667	W/(mK)	0,111	0,111
Thermal resistance	EN 12667	(m ² K)/ W	0,06	0,06
Additional properties				
Resistance to staining	EN 438-2: Group 1 only 10 min	Grade ^(a)	Grade 5 ^(b)	Grade 5 ^(b)
Swelling	ISO 24336	%	< 1	< 1
Impact sound reduction	EN ISO 10140-3	dB (ΔL_w)	18	18
Walking Noise	IHD-W431	dB %	Reduction improvement 18,5 dB Difference of loudness 65%	Reduction improvement 18,5 dB Difference of loudness 65%
ASTM Standards				
Airborne sound transmissions loss	ASTM E90/ ASTM E413	STC (dB)	60	60
Impact sound transmission	ASTM E492/ ASTM E989	IIC (dB)	65	65
Thermal Resistance	ASTM C177	R-value (m ² K)/W	0,0539	0,0553
Thermal Conductivity	ASTM C177	λ value W/(m.K)	0,127	0,124
Residual Indentation	ASTM F1914	%	0,9	0,6
Static load limit	ASTM F970	in or mm	0,100	0,083

(a) Grade 5 - No change / Grade 4 - Slight change / Grade 3 - Moderate change / Grade 2 - Considerable change / Grade 1 - Strong change
(b) Group 3: Grade 4