

SWISS-NOBLESSE

SWISSFLOOR PREMIUM FOR GENERAL COMMERCIAL USE (AC4/32)

Menznau, 01. Jan. 2015| Version 1.2 (supersedes all previously published data)

	· · · · · · · · · · · · · · · · · · ·	perseues an previously publishe	,			
Characteristics	ous	dractive: Available in many, authentic, modern colour tones from light to dark and various individual, distinguished planks. A floor of timeless beauty to enrich any place.				
	Innovative: Looks and feels like a precious hardwood floor – unrivalled in depth a sion of how the structure meets perfectly with the decor. Produced with est technology. Optionally, many products are available with 4-sided \ and footfall sound insulation.					
		Produced to strict European norms. For a healthy living, emissions of vapours are the same as you would expect from wood in its natural state.				
	Resilient: Hig	, ,				
	Affordable: Un	· · · · · · · · · · · · · · · · · · ·				
	mo nee	You not only save initially when buying the floor but again later on in both money and time. It is a low maintenance and easy to care flooring. There is no need to wax, polish nor sanding it, and it stays looking like the day you laid it for years and years.				
Technical	Laminate floor covering according to EN 13329					
classification	High Density Fibreboard (HDF)					
	Declaration of P	Performance (EN 14041): www	/w.kronospan.ch/dop	KCH LFa 003		
Use	Floor-Covering inside buildings					
	J 3	-	evels of use			
		Moderate	General	Heavy		
	Domestic		6 M	6 Ag 600		
	20000					
		AC 1 / Cl. 21	AC 2 / Cl. 22	AC 3 / Cl. 23		
		Bed-, guestrooms	Living-, dining rooms	Kitchen, entrance halls		
	Commercial	AC 3 / Cl. 31	AC 4 / Cl. 32			
		Hotel rooms, small offices	Offices, boutiques			
Product structure		high resistance overlay	DS Slip resistant surface structure	Floor heating approved		
		decorative paper	6 1	Optional:		
		high density fiberboard HDF	124	4-sided V-Groove		
	high value back paper					
	Antistatic and Antiscratch surface structure					
Certification		estified System	Surface structure	C		
	SWISS TS SWI					
	Swiss Made Swiss Quality	Quality and Member of European ducers of Laminate Flo Management		k for FSC- Flooring from fied flooring Swiss Wood		
Warranty and	Residential warranty: 25 years					
maintenance	Commercial warranty: 2 years					
	Warranty conditions : http://www.kronospan.ch/en/products/flooring/your-guarantee.html					
	Care and mainte	Care and maintenance: www.eplf.com/en/laminate/infomaterial.html				



Willisauerstrasse 37 Phone +41 41 494 94 94 94 CH-6122 Menznau Fax +41 41 494 94 49





Page 2 of 2



Product range and technical specifications

Pr	od	luct	speci	fica	tions
----	----	------	-------	------	-------

Size per board: 1380 x 193 x 8 mm | 54.33 x 7.6 x 5/16 in

4 Danie and a land	10 be and 10 to 10						
1 Box contains:	8 boards in total 2,131 m ² and 15 kg 22.94 sqft / 33.07 lbs Optional 4-sided V-Groove, footfall sound insulation						
Characteristics:	Optional 4-side	d V-Groove, footfall sound insulation					
Technical specifications							
Characteristic	Value	Explanation	Rating	Standard			
Classification properties							
Level of use	Class 32	General use in commercial applications	High resistant Class	EN 13329			
Abrasion resistance	AC 4	≥ 4000 revolutions (IP ≥ 4000)	High, Cl. 4 of 5	EN 13329-E			
Impact resistance	IC 2	Small ball (surface resistance), impact in N Large ball (panel resistance), height of fall in mm	Medium, Cl. 2 of 3	EN 13329-F			
Reaction to fire	C _{fl} -s1	Flame-retardant, no smoke emission	Improved skill for floor	EN 13501-1			
General properties							
Thickness swelling	≤ 18 %	24 hours in water bath of 20°C	Normal swelling	EN 13329-G			
Volatile Organic Compounds in total after 28 days	< 100 µg/m ³	TVOC _{28d} required for inside use < 1000 µg/m ³	Very low emissions	ISO 16000			
Formaldehyde emission	≤ 0.1 ppm	E1 ≤ 0.1 ppm	Very low emission	EN 717-1			
	≤ 0.11 ppm	CARB II ≤ 0.11 ppm		ASTM E 1333			
Surface soundness	≥ 1.00 N/mm ²	Quality of bonding between coating and panel.	According to standard	EN 13329-D			
Physical properties							
Static electrical propensity	≤ 2 kV	No electrostatic charge in dry room conditions (22 % rel. moisture)	According to standard	EN 1815			
Static indentation	No visible change	≤ 0.01 mm indentation using a straight steel cylinder of 11.3 mm diameter	According to standard	EN 13329 EN 433			
Thermal resistance	0.059 (m ² K)/W	Use of floor heating only if thermal resistance is lower than 0.15 (m ² K)/W	Qualified for use with floor heating	EN 12667			
Slip resistance	DS	Slip resistant (DS) if coefficient ≥ 0.3	fulfilled	EN 14041			
Effect of a furniture leg	No damage	Tested with foot type 0	high resistance	EN 13329 EN 424			
Effect of a castor chair	No damage	25'000 cycles without any damage	high resistance	EN 13329 EN 425			
Optical properties							
Resistance to staining	Level 5 in group 1+2 Level 4 in gr. 3	No visible change (group 1 Aceton and 2 Coffee), light change in group 3 (strong acids)	Very high optical resistance, grade 5/4 of 5	EN 13329 EN 428-2.26			
Light fastness	≥ 6	Blue wool scale: change of colour with method of grey scale	Very stable (level 6 of 6)	ISO 105-B02			
Resistance to cigarette burns	4	Light visible change	Good resistance (4 of 5)	EN 438			
Micro scratch resistance	≤ 20 %	Gloss change (Martindale Test)	Very low change	EN 16094			
Size and Tolerances							
Thickness of the element, t	8 mm	$\Delta t_{\text{average}} \le 0.50 \text{ mm} \mid t_{\text{max}} - t_{\text{min}} \le 0.50 \text{ mm}$		EN 13329			
Length of the surface layer, I	1'380 mm	∆ / ≤ 0,50 mm		EN 13329			
Width of the surface layer, w	193 mm	$\Delta w_{\text{average}} \le 0.10 \text{ mm} w_{\text{max}} - w_{\text{min}} \le 0.20 \text{ m}$	nm	EN 13329			
Squareness of the element, q		<i>q</i> _{max} ≤ 0.20 mm		EN 13329			
Straightness of surface layer, s		$s_{\text{max}} \le 0.30 \text{ mm/m}$		EN 13329			
Flatness of the element, f		Width: $f_{\text{w, concave}} \le 0.15 \% \mid f_{\text{w, convex}} \le 0.20 \%$		EN 13329			
Maximum single values		Length: $f_{1, \text{ concave}} \le 0.50 \% f_{1, \text{ convex}} \le 1.00 \%$					
Openings between elements, o		o _{average} ≤ 0.15 mm o _{max} ≤ 0.20 mm	EN 13329				
Height diff. between element, h		$h_{\text{average}} \le 0.10 \text{ mm} \mid h_{\text{max}} \le 0.15 \text{ mm}$					
Dimensional variations after	Width: δ _{w average} ≤ 0.9 mm			EN 13329			
changes in relative humidity, $oldsymbol{\delta}$		Length: δ _{1 average} ≤ 0.9 mm					
Ecological Properties							
Energy and Content Renewable energy > 90 % wood fibre ~80 %, Swiss wood UF adhesive ~15 % no post-consumer recycled content no chlorides and no biocides in the wood heavy metal free coating							
Disposal	Thermal recycling			Swiss Leg.			
= - 300		··ʊ					

Kronospan Schweiz AG

Willisauerstrasse 37 CH-6122 Menznau

Phone +41 41 494 94 94 Fax +41 41 494 94 49



