SWISS-ELITE

SWISSFLOOR PREMIUM FOR HEAVY COMMERCIAL USE (AC5/33)

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

Characteristics

Attractive: Available in eight authentic, limed Oaks in modern colour tones from light to dark and ten individual, distinguished planks. A floor of timeless beauty to enrich any place.

Innovative: Looks and feels like a precious hardwood floor – unrivalled in depth and precision of how the structure meets perfectly with the decor. Produced with the latest technology.

Healthy: 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.

Ecological: Made of 100 % FSC Mix certified wood from local sources – produced at the most modern, environmental friendly production facility of its kind.

Resilient: Superior abrasion (cl. AC5/33), scratch- & impact resistance as well as colourfast (anti-fade) & anti-static properties.

Affordable: Unbeatable price/performance ratio compared to traditional hard wood floors: 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 classification

Laminate floor covering according to EN 13329
High Density Fibreboard (HDF)
Declaration of Performance (EN 14041): www.kronospan.ch/dop

CE
KCH_LFa_003

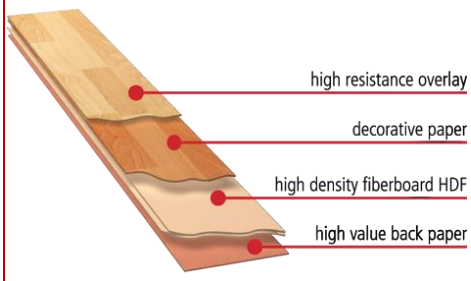
Use

Floor-Covering inside buildings

Levels of use

	Moderate	General	Heavy
Domestic	**AC 1 / Cl. 21** Bed-, guestrooms	**AC 2 / Cl. 22** Living-, dining rooms	**AC 3 / Cl. 23** Kitchen, entrance halls
Commercial	**AC 3 / Cl. 31** Hotel rooms, small offices	**AC 4 / Cl. 32** Offices, boutiques	**AC 5 / Cl. 33** Stores, corridors

Product structure



DS
Slip resistant surface structure

Floor heating approved

Antistatic and Antiscratch surface structure

V4
4 sided V-groove

Certification

Swiss Made Swiss Quality

Quality and Environment Management

Member of European Producers of Laminate Flooring

CO2-reduced fabrication

Ask for FSC-certified flooring

Flooring from Swiss Wood

Warranty and maintenance

Residential warranty:	30 years
Commercial warranty:	5 years
Warranty conditions :	http://www.kronospan.ch/en/products/flooring/your-guarantee.html
Care and maintenance:	www.eplf.com/en/laminate/infomaterial.html

Product range and technical specifications

Product specifications

Size per board:	1380 x 159 x 10 mm | 54.33 x 6.26 x 3/8 in
1 Box contains:	7 boards / 1.536 m^2 / 14 kg | 16.53 sqft / 30.86 lbs
Characteristics:	4-sided V-Groove, 5G-drop lock installation

Technical specifications

Characteristic	*Value*	*Explanation*	*Rating*	*Standard*
Classification Properties				
Level of use	Class 33	Heavy use in commercial applications	Most resistant Class	EN 13329
Abrasion resistance	AC 5	≥ 6000 revolutions (IP ≥ 6000)	Very high, Cl. 5 of 5	EN 13329-E
Impact resistance	IC 3	Small ball (surface resistance), impact in N Large ball (panel resistance), height of fall in mm	Very high, Cl. 3 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 ≤ 0.11 ppm	E1 ≤ 0.1 ppm CARB II ≤ 0.11 ppm	Very low emission	EN 717-1 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	0.089 (m^2K)/W	Use of floor heating only if thermal resistance is lower than 0.15 (m^2K)/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*	10 mm	$\Delta t_{average} \leq 0.50$ mm | $t_{max} - t_{min} \leq 0.50$ mm		EN 13329
Length of the surface layer, l	1380 mm	$\Delta l \leq 0{,}50$ mm		EN 13329
Width of the surface layer, *w*	159 mm	$\Delta w_{average} \leq 0.10$ mm | $w_{max} - w_{min} \leq 0.20$ mm		EN 13329
Squareness of the element, *q*		$q_{max} \leq 0.20$ mm		EN 13329
Straightness of surface layer, *s*		$s_{max} \leq 0.30$ mm/m		EN 13329
Flatness of the element, *f* Maximum single values		Width: $f_{w, concave} \leq 0.15$ % | $f_{w, convex} \leq 0.20$ % Length: $f_{l, concave} \leq 0.50$ % | $f_{l, convex} \leq 1.00$ %		EN 13329
Openings between elements, *o*		$o_{average} \leq 0.15$ mm | $o_{max} \leq 0.20$ mm		EN 13329
Height diff. between element, *h*		$h_{average} \leq 0.10$ mm | $h_{max} \leq 0.15$ mm		EN 13329
Dimensional variations after changes in relative humidity, δ		Width: $\delta_{w\ average} \leq 0.9$ mm Length: $\delta_{l\ average} \leq 0.9$ mm		EN 13329
Ecological Properties				
Energy and Content Swiss Product declaration	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			SIA 493.05
Disposal	Thermal recycling			Swiss Leg.