

















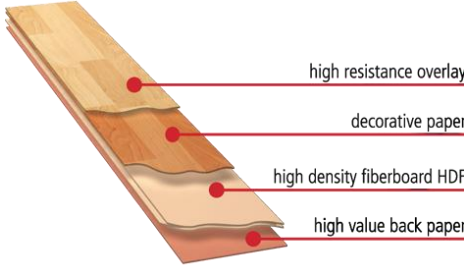



SWISS LIBERTY Q7 WATER RESISTANT

Menznaun, December 2015 | Version 1.0 (supersedes all previously published data)

<p>Characteristics</p>	<p>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.</p> <p>Ecological: Made from sustainable wood from local sources – produced at the most modern, environmental friendly production facility of its kind.</p> <p>Resilient: Superior abrasion (cl. AC5/33), scratch- & impact resistance as well as colourfast (anti-fade).</p> <p>Waterresistant: Gives more than double the resistance to water than regular laminate floors.</p>																
<p>Technical classification</p>	<p>Laminate floor covering according to EN 13329 and EN 14041 High Density Fibreboard (HDF) E1 DoP KCH_LFa_002</p>																
<p>Use</p>	<p>Floor-Covering inside buildings</p>																
	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Levels of use</th> </tr> <tr> <th></th> <th>Moderate</th> <th>General</th> <th>Heavy</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td> AC 1 / Cl. 21 Bed-, guestrooms</td> <td> AC 2 / Cl. 22 Living-, dining rooms</td> <td> AC 3 / Cl. 23 Kitchen, entrance halls</td> </tr> <tr> <td>Commercial</td> <td> AC 3 / Cl. 31 Hotel rooms, small offices</td> <td> AC 4 / Cl. 32 Offices, boutiques</td> <td> AC 5 / Cl. 33 Stores, corridors</td> </tr> </tbody> </table>	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
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<p>Product structure</p>																	
<p>Certification</p>																	
<p>Warranty and maintenance</p>	<p>Residential warranty: 35 years Commercial warranty: 5 years Warranty conditions : http://www.kronospan.ch/en/products/flooring/your-guarantee/ Care and maintenance: http://www.eplf.com/en/laminate/infomaterial.html</p>																

Product range and technical specifications

Product range			
1380 x 193 x 8 mm		54.33 x 7.6" x 5/16 "	
Box: 8 boards 2.13m ² / 15kg		Box: 8 boards 22.94sqft / 35.28 lbs	
+/- 900kg / m3			
Technical data			
Characteristic	Symbol	Standard	
Thickness of the element, t	$\Delta t_{\text{average}} \leq 0,50 \text{ mm}$	EN 13329	
	$t_{\text{max}} - t_{\text{min}} \leq 0,50 \text{ mm}$		
Length of the surface layer, l	$\Delta l \leq 0,5 \text{ mm}$	EN 13329	
Width of the surface layer, w	$\Delta w_{\text{average}} \leq 0,10 \text{ mm}$	EN 13329	
	$w_{\text{max.}} - w_{\text{min.}} \leq 0,20 \text{ mm}$		
Squareness of the element, q	$q_{\text{max.}} \leq 0,20 \text{ mm}$	EN 13329	
Straightness of the surface layer, s	$s_{\text{max.}} \leq 0,30 \text{ mm/m}$	EN 13329	
Flatness of the element, f	Maximum single values:	EN 13329	
	$f_{w, \text{concave}} \leq 0,15 \%$		
	$f_{w, \text{convex}} \leq 0,20 \%$		
	$f_{l, \text{concave}} \leq 0,50 \%$		
	$f_{l, \text{convex}} \leq 1,00 \%$		
Openings between elements, o	$o_{\text{average}} \leq 0,15 \text{ mm}$	EN 13329	
	$o_{\text{max.}} \leq 0,20 \text{ mm}$		
Height difference between elements, h	$h_{\text{average}} \leq 0,10 \text{ mm}$	EN 13329	
	$h_{\text{max.}} \leq 0,15 \text{ mm}$		
Dimensional variations after changes in relative humidity	$\delta l_{\text{average}} \leq 0,9 \text{ mm}$	EN 13329	
	$\delta w_{\text{average}} \leq 0,9 \text{ mm}$		
Light fastness	Blue wool scale: > 6 Grey scale > 4	EN ISO4892-2; Proc. B	
Static indentation	No visible change	EN ISO 24343-1	
Surface soundness	$\geq 1.25 \text{ N/mm}^2$	EN 13329	
Abrasion resistance	AC 5, IP ≥ 6000 revolutions	EN 13329	
Impact Resistance	IC 3	EN 13329	
Resistance to staining	Class 5	EN 13329	
Effect of a furniture leg	Foot type 0: no damage	EN 424	
Effect of a castor chair	25'000 cycles – no damage	EN 425	
Thickness swelling	SWISS LIBERTY Q7 $\leq 8 \%$ WATER RESISTANT <i>Tested acc. to EN13329-G - 24 hours in water bath of 20°C</i> <i>Standard for regular laminate floors is $\leq 18 \%$</i>	EN 13329	
Reaction to Fire	Cfl-s1	EN 13501-1	
Volatile Organic Compounds (VOC)	TVOC < 1000 μg	EN 16000	
Static electrical propensity	$\leq 2 \text{ kV}$	EN 1815	
Formaldehyde Emissions	E1	EN 120	
Thermal Resistance	0.089 (m ² K)/W	EN 12667	
Slip resistance	DS	EN 14041	
Ecology information acc. to SIA Product declaration SIA 493	Renewable energy > 80 % wood fibre 75-80 % UF adhesive 13-15 % Swiss wood no post-consumer recycled content no chlorides no biocides in the wood heavy metal free coating	SIA 493.05	
Disposal	thermally recyclable		