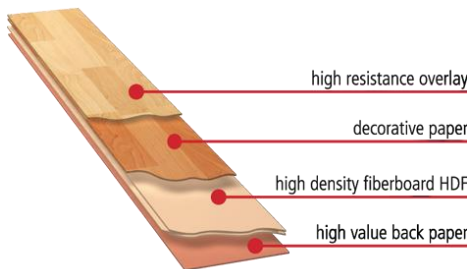


HELVETIC PERFORMANCE Q7

WATER RESISTANT

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

Characteristics	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 from sustainable 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). Waterresistant: Gives more than double the resistance to water than regular laminate floors.																
Technical classification	Laminate floor covering according to EN 13329 and EN 14041 High Density Fibreboard (HDF) E1 DoP KCH_LFa_002																
Use	Floor-Covering inside buildings																
	<table><tr><td></td><td colspan="3">Levels of use</td></tr><tr><td></td><td>Moderate</td><td>General</td><td>Heavy</td></tr><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></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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Product structure																	
Certification																	
Warranty and maintenance	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																



Product range and technical specifications

Product range

1380 x 193 x 8 mm
Box: 8 boards 2.13m² / 15kg
+/- 900kg / m³

54.33 x 7.6" x 5/16 "
Box: 8 boards 22.94sqft / 35.28 lbs

Technical data

Characteristic	Symbol	Standard	
Thickness of the element, t	$\Delta t_{\text{average}} \leq 0.50 \text{ mm}$ $t_{\text{max}} - t_{\text{min}} \leq 0.50 \text{ mm}$	EN 13329	
Length of the surface layer, l	$\Delta l \leq 0.5 \text{ mm}$	EN 13329	
Width of the surface layer, w	$\Delta w_{\text{average}} \leq 0.10 \text{ mm}$ $w_{\text{max.}} - w_{\text{min.}} \leq 0.20 \text{ mm}$	EN 13329	
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: $f_{w, \text{concave}} \leq 0.15 \%$ $f_{w, \text{convex}} \leq 0.20 \%$ $f_{l, \text{concave}} \leq 0.50 \%$ $f_{l, \text{convex}} \leq 1.00 \%$	EN 13329	
Openings between elements, o	$o_{\text{average}} \leq 0.15 \text{ mm}$ $o_{\text{max.}} \leq 0.20 \text{ mm}$	EN 13329	
Height difference between elements, h	$h_{\text{average}} \leq 0.10 \text{ mm}$ $h_{\text{max.}} \leq 0.15 \text{ mm}$	EN 13329	
Dimensional variations after changes in relative humidity	$\Delta l_{\text{average}} \leq 0.9 \text{ mm}$ $\Delta w_{\text{average}} \leq 0.9 \text{ mm}$	EN 13329	
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	PERFORMANCE Q7 = $\leq 8 \%$ WATER RESISTANT Tested acc. to EN13329-G - 24 hours in water bath of 20°C Standard for regular laminate floors is = $\leq 18 \%$	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		