

GRAND SELECTION

Laminate floor coverings according to EN 13329

		PURE	EVOLUTION	ORIGIN	
Thickness	mm	12	14	14	EN 13329
Width	mm	193	191	244	EN 13329
Length	mm	1380	1380	2025	EN 13329
Level of use		33	33	33	EN 13329
Abrasion resistance		AC 5	AC 5	AC 5	EN 13329
Locking system		5G	Aqua Pearl	5G+	
Thickness swelling	%	≤ 15	≤ 10	≤ 8	EN 13329
Impact resistance	small ball	N	≥ 15	≥ 15	EN 13329
	big ball	mm	≥ 1000	≥ 1000	
Micro-scratch resistance		MSR-A3	MSR-A3	MSR-A3	EN 13329
Surface soundness	N/mm ²	1.25	1.25	1.25	EN 13329
Electrostatic propensity	kV	≤ 2	≤ 2	≤ 2	EN 1815
Thermal resistance	(m ² k)/W	0.089	0.1	0.1	EN 12667
Declaration of performance, DoP		KCH_LFa_005	KCH_LFa_005	KCH_LFa_GSO_001	
Reaction to fire		C _{fl} -s1	C _{fl} -s1	B _{fl} -s1	EN 13501-1
Effect of a furniture leg		No damage			EN 13329
Castor chair test		No damage			EN 13329
Resistance to staining		Groups 1, 2: Class 5 Group 3: Class 4			EN 13329
Light-fastness		Type 6 Gray Scale ≥ 4			EN 13329
Slip resistance		DS			EN 14041
VOC-Emission 28 days		< 100 µg/m ³			ISO 16000
Formaldehyde emission (raw HDF board)		≤ 0.1ppm (E1)			EN 717-1
		≤ 0.11 ppm (CARB P2, TSCA Title VI)			ASTM D 6007
Composition		Renewable energy > 90% wood fibres-80% Swiss Wood UF-Resin-15% no post-consumer recycled content no chlorides no biocides heavy-metal free coating Thermally recyclable			
Further information					

Tolerances

Thickness, <i>t</i>	$\Delta t_{\text{average}} \leq 0.50 \text{ mm}$ $t_{\text{max}} - t_{\text{min}} \leq 0.50 \text{ mm}$	Width of the surface layer, <i>w</i>	$\Delta w_{\text{average}} \leq 0.10 \text{ mm}$ $w_{\text{max}} - w_{\text{min}} \leq 0.20 \text{ mm}$
Length, <i>l</i>	$\Delta l \leq 0.50 \text{ mm}$	Squareness, <i>q</i>	$q_{\text{max}} \leq 0.20 \text{ mm}$
Straightness, <i>s</i>	$s_{\text{max}} \leq 0.30 \text{ mm/m}$	Height differences between elements, <i>h</i>	$h_{\text{average}} \leq 0.10 \text{ mm}$ $h_{\text{max}} \leq 0.15 \text{ mm}$
Openings between elements, <i>o</i>	$o_{\text{average}} \leq 0.15 \text{ mm}$ $o_{\text{max}} \leq 0.20 \text{ mm}$	Flatness, <i>f</i>	$f_{w, \text{concave}} \leq 0.15 \% f_{w, \text{convex}} \leq 0.20 \%$ $f_{l, \text{concave}} \leq 0.50 \% f_{l, \text{convex}} \leq 1.00 \%$
Dimensional variations after changes in relative humidity, δ	width: $\delta_{w, \text{average}} \leq 0.9 \text{ mm}$ length: $\delta_{l, \text{average}} \leq 0.9 \text{ mm}$		