Grand Selection

		GRAND SELECTION AUTHENTIC	GRAND SELECTION EVOLUTION	GRAND SELECTION PERFECTION	GRAND SELECTION ORIGIN	GRAND SELECTION LIBERTY	
Material thickness	mm	14	14	11	14	8	
Material thickness (imperial)	in	0.5512	0.5512	0.4331	0.5512	0.315	
Material width	mm	244	193	244	244	193	
Material width (imperial)	in	9.6063	7.5984	9.6063	9.6063	7.5984	
Material length	mm	1845	1380	2025	2025	1380	
Material length (imperial)	in	72.6378	54.3307	79.7244	79.7244	54.3307	
Declaration of performance code				KCH_LFa-GSO_002			
Surface soundness	N/mm²			1.25			DIN EN 13329
Thickness swelling	%	≤ 10	≤ 10	≤ 10	≤ 8	≤ 10	DIN EN 13329
Formaldehyde emission (ppm) E1	ppm	≤ 0.1	≤ 0.1	≤ 0.11	≤ 0.1	≤ 0.1	EN 717-1 ASTM D-6007
Formaldehyde emission (ppm) CARB II / TSCA Title VI	ppm	≤ 0.11	≤ 0.11	≤ 0.1	≤ 0.11	≤ 0.11	ASTM D-6007
Reaction to fire (EU)				Bfl-s1			DIN EN 13501-1
Warranty Residential	a			35			
Warranty Commercial	a			5			
Usage class flooring (model)				33			
Type of edge				V-groove 4 sided			
Suitable for floor heating				Yes			
Thermal resistance	(m²K)/W	0.1	0.1	0.059	0.1	0.059	DIN EN 12667
Electrostatic propensity	kV			≤ 2			EN 1815
Slip resistance EU				DS			DIN EN 14041
Abrasion class info		AC 5	AC 5	-	AC 5	AC 5	
Locking system		5G+	5G	5G+	5G+	5G	
Micro-scratch resistance		MSR-A3	MSR-A3	MSR-A2	MSR-A3	MSR-A2	DIN EN 13329
Impact resistance small ball	N			≥ 15			DIN EN 13329
Impact resistance big ball	mm			≥ 1000			DIN EN 13329
Resistance to staining (group 1)				Level 5 - No damage			DIN EN 13329
Resistance to staining (group 2)				Level 5 - No damage			DIN EN 13329
Resistance to staining (group 3)				Level 4			DIN EN 13329
Light-fastness Blue wool scale				6			DIN EN 13329
Light-fastness Grey scale				4			DIN EN 13329
Effect of a furniture leg				No damage			DIN EN 13329
Castor chair resistance				No damage			DIN EN 13329
Antibacterial				No			
VOC emission 28 days	µg/m³			< 100			DIN EN ISO 16000 DIN EN ISO 16000-10
Residual indentation	mm	-	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	DIN EN ISO 24343-1
Ecological properties		Heavy-metal free coating, No biocides, No chlorides, No post-consumer recycled wood, Renewable energy > 90%, Swiss wood, Thermally recyclable, UF resin ~18%, Wood fibres ~80%					

Tolerances

Thickness (average), *t*	$\Delta t_{average}$	≤ 0.5 mm
Thickness (Max-Min), *t*	$t_{max} - t_{min}$	≤ 0.5 mm
Length tolerance, *l*	Δl	≤ 0.5 mm
Width (average), *w*	$\Delta w_{average}$	≤ 0.1 mm
Width (Max-Min), *w*	$w_{max} - w_{min}$	≤ 0.2 mm
Edge straightness, *s*	s_{max}	≤ 0.3 mm/m
Squareness, *q*	q_{max}	0.2 mm
Openings between elements (average), *o*	$o_{average}$	≤ 0.15 mm
Openings between elements (max), *o*	o_{max}	≤ 0.2 mm

Dimensional variations after changes in relative humidity (width), *δ*	$\delta_{w\ average}$	≤ 0.9 mm
Dimensional variations after changes in relative humidity (length), *δ*	$\delta_{l\ average}$	≤ 0.9 mm
Height differences between elements (average), *h*	$h_{average}$	≤ 0.1 mm
Height differences between elements (max), *h*	h_{max}	≤ 0.15 mm
Flatness width, concave, *f*	$f_{w,\ concave}$	≤ 0.15 %
Flatness width, convex, *f*	$f_{w,\ convex}$	≤ 0.2 %
Flatness length, concave, *f*	$f_{l,\ concave}$	≤ 0.5 %
Flatness length, convex, *f*	$f_{l,\ convex}$	≤ 1 %

Notes & Links

Care and maintenance	https://www.grandselection.com
Instructions on laying	https://www.grandselection.com
Product range, Infomaterial	https://www.grandselection.com
Warranty conditions	https://www.grandselection.com
Declaration of performance (DoP)	https://www.swisskrono.com/ch-en/downloads/#/