

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/mm ²	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	(m ² K)/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/m ³	< 100						DIN EN ISO 16000 DIN EN ISO 16000-10
Residual indentation	mm	≤ 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	$\Delta t_{average}$	$\leq 0.5 \text{ mm}$
Thickness (Max-Min), t	$t_{max} - t_{min}$	$\leq 0.5 \text{ mm}$
Length tolerance, l	Δl	$\leq 0.5 \text{ mm}$
Width (average), w	$\Delta w_{average}$	$\leq 0.1 \text{ mm}$
Width (Max-Min), w	$w_{max} - w_{min}$	$\leq 0.2 \text{ mm}$
Edge straightness, s	s_{max}	$\leq 0.3 \text{ mm/m}$
Squareness, q	q_{max}	0.2 mm
Openings between elements (average), o	$o_{average}$	$\leq 0.15 \text{ mm}$
Openings between elements (max), o	o_{max}	$\leq 0.2 \text{ mm}$

Dimensional variations after changes in relative humidity (width), δ $\delta_{w, average}$ $\leq 0.9 \text{ mm}$

Dimensional variations after changes in relative humidity (length), δ $\delta_{l, average}$ $\leq 0.9 \text{ mm}$

Height differences between elements (average), h $h_{average}$ $\leq 0.1 \text{ mm}$

Height differences between elements (max), h h_{max} $\leq 0.15 \text{ mm}$

Flatness width, concave, f $f_{w, concave}$ $\leq 0.15 \%$

Flatness width, convex, f $f_{w, convex}$ $\leq 0.2 \%$

Flatness length, concave, f $f_{l, concave}$ $\leq 0.5 \%$

Flatness length, convex, f $f_{l, convex}$ $\leq 1 \%$

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/#/