

SWISS FLOORS

Laminate floor coverings according to EN 13329

| | | GIANT | AQUASTOP | MEGA | LIBERTY | LIFESTYLE | SOLID CHROME | SOLID | SYNC CHROME | NOBLESSE V4 WIDE | NOBLESSE V4 | NOBLESSE | PRESTIGE | |
|--|---------------------------|---|----------|--------|---------|-----------|--------------|--------|-------------|------------------|-------------|----------|------------|----------|
| Thickness | mm | 12 | 12 | 8 | 8 | 10 | 12 | 12 | 8 | 8 | 8 | 8 | 7 | EN 13329 |
| Width | mm | 244 | 193 | 398 | 193 | 193 | 193 | 193 | 193 | 244 | 193 | 193 | 193 | EN 13329 |
| Length | mm | 2025 | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 | 130 | EN 13329 |
| Level of use | | 33 | 33 | 33 | 33 | 32 | 33 | 33 | 32 | 32 | 32 | 32 | 31 | EN 13329 |
| Abrasion resistance | | AC 5 | AC 5 | AC 5 | AC 5 | AC 4 | AC 5 | AC 5 | AC 4 | AC 4 | AC 4 | AC 4 | AC 3 | EN 13329 |
| Thickness swelling | % | ≤ 15 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 18 | ≤ 15 | ≤ 15 | ≤ 18 | ≤ 18 | ≤ 18 | ≤ 18 | ≤ 18 | EN 13329 |
| Impact resistance | small ball | N | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 12 | ≥ 12 | ≥ 12 | ≥ 12 | ≥ 8 | EN 13329 |
| | big ball | mm | ≥ 1000 | ≥ 1000 | ≥ 1000 | ≥ 1000 | ≥ 750 | ≥ 1000 | ≥ 1000 | ≥ 750 | ≥ 750 | ≥ 750 | ≥ 500 | |
| Warranty domestic commercial | years | 35 5 | 35 5 | 35 5 | 35 5 | 25 3 | 30 5 | 30 5 | 25 3 | 25 2 | 25 2 | 25 2 | 15 1 | |
| Micro-scratch resistance | | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A2 | MSR-A3 | MSR-A3 | MSR-A3 | MSR-A3 | EN 13329 |
| Surface soundness | N/mm ² | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.0 | EN 13329 |
| Electrostatic propensity | kV | ≤ 2 | ≤ 2 | - | ≤ 2 | - | ≤ 2 | - | - | - | - | - | - | EN 1815 |
| Thermal resistance | (m ² K)/W | 0.089 | 0.089 | 0.059 | 0.059 | 0.075 | 0.089 | 0.089 | 0.059 | 0.059 | 0.059 | 0.059 | 0.054 | EN 12667 |
| Declaration of performance (DoP), antistatic | KCH_LF_005 KCH_LFa_005 | • | • | • | • | • | • | • | • | • | • | • | • | |
| Effect of a furniture leg | | No damage | | | | | | | | | | | EN 13329 | |
| Castor chair test | | No damage | | | | | | | | | | | EN 13329 | |
| Resistance to staining | | Groups 1, 2: level 5 Group 3: level 4 | | | | | | | | | | | EN 13329 | |
| Light-fastness | | Blue wool scale 6 Grey scale ≥ 4 | | | | | | | | | | | EN 13329 | |
| Reaction to fire | | C _f -s1 | | | | | | | | | | | EN 13501-1 | |
| Slip resistance | | DS | | | | | | | | | | | EN 14041 | |
| VOC emission 28 days | µg/m ³ | < 100 | | | | | | | | | | | ISO 16000 | |
| Formaldehyde emission (raw HDF board) | ppm | ≤ 0.1 (E1) | | | | | | | | | | | EN 717-1 | |
| | ppm | ≤ 0.11 (CARB P2 / TSCA TITLE VI) | | | | | | | | | | | ASTM D6007 | |
| Composition | | Renewable energy > 90% wood fibres -80% Swiss Wood UF-Resin-15% no post-consumer recycled content | | | | | | | | | | | | |
| Further information | | no chlorides no biocides heavy-metal free coating Thermally recyclable | | | | | | | | | | | | |

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

| Links | Content |
|-----------------------------------|--|
| Care and maintenance : | www.epfl.com/en/services/information-material |
| Instructions on laying: | www.epfl.com/en/services/information-material |
| Product range, Infomaterial : | www.swisskrono.ch/en/products/flooring.html |
| Warranty conditions: | www.swisskrono.ch/en/products/flooring/your-guarantee.html |
| Declaration of performance (DoP): | www.swisskrono.ch/dop |

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