

SWISS FLOORS

HELVETIC

Laminate floor coverings according to EN 13329

| | | | | |
|---------------------------------------|-------------------|-------|--|-------------|
| Thickness | mm | | 8 | EN13329 |
| Width | mm | | 193 | EN13329 |
| Length | mm | | 1380 | EN13329 |
| Declaration of performance | | | KCH_LF_007 | |
| Surface soundness | N/mm ² | | 1.25 | EN13329 |
| Thickness swelling | % | | ≤18 | EN13329 |
| Formaldehyde emission (raw HDF board) | ppm | | ≤01 (E1) | |
| | ppm | | ≤0.11 (CARB P2/TSCA TITLE VI) | ASTM |
| Reaction to fire | | | B _{fl} -S1 | EN13501-1 |
| Warranty | domestic | years | 25 | |
| | commercial | years | 2 | |
| Level of use | | | 32 | EN13329 |
| Type of edge | | | V-groove 4 sided | |
| Suitable for floor heating | | | Yes | |
| Slip resistance | | | DS | EN14041 |
| Abrasion class info | | | AC 4 | EN13329 |
| Locking system | | | 5G | |
| Micro-scratch resistance | | | MSR-A3 | EN13329 |
| Impact resistance | small ball | N | ≥12 | EN13329 |
| | big ball | mm | ≥750 | |
| Resistance to staining | | | Level 5 - No damage | EN13329 |
| Light fastness | | | Blue wool scscale 6 Grey scale ≥4 | EN13329 |
| Effect of furniture leg | | | No damage | EN13329 |
| Castor chair test | | | No damage | EN13329 |
| Antibacterial | | | No | |
| VOC emission 28 days | µg/m ³ | | < 100 | ISO 16000 |
| Residual indentation | mm | | ≤0.05 | ISO 24343-1 |
| Ecological properties | | | Heavy-metal free coating, No biocides, No chloride, No post consumerrecycled wood, Renewable energy > 90%, Swiss wood, thermally recyclable, UF resin - 14%, Wood fibers - 84% | |

Tolerances

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

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