












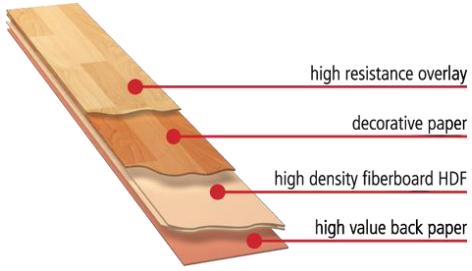
































# SWISS PRESTIGE

## SWISSFLOOR FOR MODERATE COMMERCIAL USE (AC3/31)

<p>Characteristics</p>	<p><b>Attractive:</b> Available in many authentic, modern colour tones from light to dark and various individual, distinguished planks.</p> <p><b>Healthy:</b> Produced according to European standards. For a healthy living, emissions are as low as you would expect from wood in its natural state.</p> <p><b>Ecological:</b> Wood from local sources – produced at the most modern, environmental friendly production facility of its kind.</p> <p><b>Robust:</b> Abrasion resistance class AC3/31, for moderate use in commercial applications.</p> <p><b>Affordable:</b> Unbeatable price/performance ratio compared to traditional hard wood floors: Easy to install, low maintenance and easy to care flooring.</p>																
<p>Technical classification</p>	<p>Laminate floor covering according to EN 13329                  High Density Fibreboard (HDF)                  Declaration of Performance (EN 14041): <a href="http://www.swisskrono.ch/dop/">www.swisskrono.ch/dop/</a></p> <div style="text-align: right;">                   KCH_LF_003             </div>																
<p>Use</p>	<p>Floor-Covering for indoor use</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th></th> <th colspan="3">Levels of use</th> </tr> <tr> <th></th> <th>Moderate</th> <th>General</th> <th>Heavy</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>                       AC 1 / Cl. 21                      Bed-, guestrooms                 </td> <td>                       AC 2 / Cl. 22                      Living-, dining rooms                 </td> <td>                       AC 3 / Cl. 23                      Kitchen, entrance halls                 </td> </tr> <tr> <td>Commercial</td> <td>                       AC 3 / Cl. 31                      Hotel rooms, small offices                 </td> <td></td> <td></td> </tr> </tbody> </table>		Levels of use				Moderate	General	Heavy	Domestic	 AC 1 / Cl. 21 Bed-, guestrooms	 AC 2 / Cl. 22 Living-, dining rooms	 AC 3 / Cl. 23 Kitchen, entrance halls	Commercial	 AC 3 / Cl. 31 Hotel rooms, small offices		
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<p>Warranty and maintenance</p>	<p>Residential warranty: 15 years   Commercial warranty: 1 year                  Warranty conditions: <a href="http://www.swisskrono.ch/en/products/flooring/your-guarantee.html">www.swisskrono.ch/en/products/flooring/your-guarantee.html</a>                  Care and maintenance: <a href="http://www.eplf.com/en/laminate/infomaterial.html">www.eplf.com/en/laminate/infomaterial.html</a></p>																
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### Technical specifications

Classification characteristics		Explanation	Rating	Standard
Abrasion resistance	Class 23 AC 3	Intensive domestic use ≥ 2000 revolutions	Medium resistant class Medium, Cl. 3 of 5	EN 15468 EN 13329-E
Impact resistance	IC 1	Small diameter ball for surface resistance Large diameter ball for panel resistance	Medium, Cl. 1 of 3	EN 13329-F
Reaction to fire	C <sub>fl</sub> -s1	Flame-retardant, no/low smoke emission	Improved for floor	EN 13501-1
<b>General characteristics</b>				
Thickness swelling	≤ 20 %	24 hours in water bath of 20°C	Normal swelling	EN 13329-G
Volatile Organic Compounds in total after 28 days	< 100 µg/m <sup>3</sup>	TVOC <sub>28d</sub> required for inside use < 1000 µg/m <sup>3</sup>	Very low emissions	ISO 16000
Formaldehyde emission	≤ 0.1 ppm ≤ 0.11 ppm	E1 ≤ 0.1 ppm CARB II ≤ 0.11 ppm	Very low emission	EN 717-1 ASTM-E 1333
Surface soundness	≥ 1.00 N/mm <sup>2</sup>	Strength of bonding between coating material and underlying panel	According to standard	EN 13329-D
<b>Physical characteristics</b>				
Static indentation	No visible change	≤ 0.01 mm indentation using a straight steel cylinder of 11.3 mm diameter	According to standard	EN 13329 EN 433
Thermal resistance	0.059 (m <sup>2</sup> K)/W	Use of floor heating only if thermal resistance is lower than 0.15 (m <sup>2</sup> K)/W	Qualified for use with floor heating	EN 12667
Slip resistance	DS	Slip resistant (DS) if coefficient ≥ 0.3	fulfilled	EN 14041
Effect of a furniture leg	No damage	Tested with foot type 0	high resistance	EN 13329 EN 424
Effect of a castor chair	No damage	25'000 cycles without any damage	high resistance	EN 13329 EN 425
<b>Optical characteristics</b>				
Resistance to staining	Level 5 in group 1+2 Level 4 in gr. 3	No visible change (group 1 Aceton and 2 Coffee), light change in group 3 (strong acids)	Very high optical resistance, grade 5/4 of 5	EN 13329 EN 438
Light fastness	≥ 6	Blue wool scale: change of colour with method of grey scale	Very stable (level 6 of 6)	ISO 105-B02
Resistance to cigarette burns	4	Light visible change	Good resistance (4 of 5)	EN 438
Micro-scratch resistance	≤ 20 %	Gloss change (Martindale Test)	Very low change	EN 16094
<b>Tolerances</b>				
Thickness of the element, <i>t</i>	7 mm	$\Delta t_{\text{average}} \leq 0.50 \text{ mm} \mid t_{\text{max}} - t_{\text{min}} \leq 0.50 \text{ mm}$		EN 13329
Length of the surface layer, <i>l</i>	1380 mm	$\Delta l \leq 0.50 \text{ mm}$		EN 13329
Width of the surface layer, <i>w</i>	193 mm	$\Delta w_{\text{average}} \leq 0.10 \text{ mm} \mid w_{\text{max}} - w_{\text{min}} \leq 0.20 \text{ mm}$		EN 13329
Squareness of the element, <i>q</i>		$q_{\text{max}} \leq 0.20 \text{ mm}$		EN 13329
Straightness of surface layer, <i>s</i>		$s_{\text{max}} \leq 0.30 \text{ mm/m}$		EN 13329
Flatness of the element, <i>f</i> Maximum single values		Width: $f_{w, \text{concave}} \leq 0.15 \% \mid f_{w, \text{convex}} \leq 0.20 \%$ Length: $f_{l, \text{concave}} \leq 0.50 \% \mid f_{l, \text{convex}} \leq 1.00 \%$		EN 13329
Openings between elements, <i>o</i>		$o_{\text{average}} \leq 0.15 \text{ mm} \mid o_{\text{max}} \leq 0.20 \text{ mm}$		EN 13329
Height diff. between element, <i>h</i>		$h_{\text{average}} \leq 0.10 \text{ mm} \mid h_{\text{max}} \leq 0.15 \text{ mm}$		EN 13329
Dimensional variations after changes in relative humidity, <i>δ</i>		Width: $\delta_{w, \text{average}} \leq 0.9 \text{ mm}$ Length: $\delta_{l, \text{average}} \leq 0.9 \text{ mm}$		EN 13329
<b>Ecological characteristics</b>				
Energy and Content Swiss Product declaration	Renewable energy > 90 %   wood fibre ~80 %, Swiss wood   UF adhesive ~15 % no post-consumer recycled content   no chlorides and no biocides in the wood heavy metal free coating			SIA 493.05
Disposal	Thermal / energetic recovery			