





Laminate Floors

Product data sheet and technical information

Breeze Line; Charm Line; Courage Line; Time Line; Vanity Line; Vitality Line

Usage class	AC 4 / 23 / 32 4-V-Minigroove	
Dimensions	1285 x 123 x 8 mm	
Profile	ClickitEasy	
Base board	HDF ($\geq 860 \text{ kg/m}^3$), with WaterProTec	
Packing unit	12 pieces per carton (ca. 1,897 sqm) 36 packs per pallet (ca. 68,292 sqm)	 
Product quality tested by	eph Dresden / eco-Umweltinstitut Köln	
Surface structure	RF (Rustical Finish) / EX (Exotic) / WO / OA (Synchronpore) / GL(Glossline) / SU (matt-oiled)	
Guarantee	20 years for private use according out seperate terms of guarantee	
Block variation of strips in width	$\pm 2 \text{ mm}$	
Abrasion resistance (IP) according to EN 13329	≥ 4.000 turns	
Impact resistance according to EN 13329	IC 2	
Stain resistance according to EN 13329	Group 1 + 2 = Grade 5 / Group 3 = Grade 4	
Behaviour in fire according to EN 13501-1	C(fl) s1	
Resistance to chair castors according to EN 13329	No impact if soft chair castors are used (Typ W) as defined by EN 425	
Thermal resistance according to DIN 52612	0,089 $\text{m}^2 \times \text{K} / \text{W}$	
Light fastness according to DIN EN 13329	Blue wool scale ≥ 6 Grey scale ≥ 4	
Slide resistance (slide friction co-efficient to EN 13893)	The requirements are in compliance with DIN EN 14041 ($\text{my} \geq 0,3$)	
Way of laying	Floating installation	
Warmwater underfloor heating	suitable	

General requirements according to European Standard EN 13329

Thickness of the element, t	$\Delta t_{\text{average}} \leq 0,50 \text{ mm}$, relative to nominal value $t_{\text{max}} - t_{\text{min}} \leq 0,50 \text{ mm}$
Length of the surface layer, l	$l \leq 1.500\text{mm}$: $\Delta l \leq \pm 0,5\text{mm}$
Width of the surface layer, w	$\Delta w_{\text{average}} \leq 0,10 \text{ mm}$, relative to nominal value $w_{\text{max}} - w_{\text{min}} \leq 0,20$
Squareness of the element, q	$q_{\text{max}} \leq 0,20 \text{ mm}$
Straightness of the surface layer, s	$s_{\text{max}} \leq 0,30 \text{ mm/m}$
Flatness of the element, s	Maximum single values: $f_{w, \text{convex}} \leq 0,15\%$ $f_{w, \text{convex}} \leq 0,20\%$ $f_{l, \text{convex}} \leq 0,50\%$ $f_{l, \text{convex}} \leq 1,00\%$
Openings between elements, o	$o_{\text{mittel}} \leq 0,15\text{mm}$ $o_{\text{max}} \leq 0,20\text{mm}$
High differences between elements, h	$h_{\text{average}} \leq 0,10\text{mm}$ $h_{\text{max}} \leq 0,15\text{mm}$