

# Laminate Floors



## Product data sheet and technical information

Update: November 2010

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

Usage class	AC 4 / 23 / 32 around+middle U-groove	  
Dimensions	1285 x 327 x 8 mm	
Profile	ClickitEasy	
Base board	HDF ( $\geq 860 \text{ kg/m}^3$ ), with WaterProTec	
Packing unit	6 pieces per carton (app. 2,521 sqm) 45 packs per pallet (app. 113,45 sqm)	
Product quality tested by	eph Dresden / eco-Umweltinstitut Köln	
Surface structure	RS/AS (Ceramic Structure)	
Guarantee	20 years for private use according to our separate terms of guarantee	
Block variation of strips in width	$\pm 2 \text{ mm}$	
Abrasion resistance (IP) according to EN 13329	$\geq 4.000$ 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 $\geq 6$ Grey scale $\geq 4$	
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: $f_{w, \text{conkav}} \leq 0,15\%$ $f_{w, \text{convex}} \leq 0,20\%$ $f_{l, \text{conkav}} \leq 0,50\%$ $f_{l, \text{convex}} \leq 1,00\%$
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	$h_{\text{average}} \leq 0,10 \text{ mm}$ $h_{\text{max}} \leq 0,15 \text{ mm}$