

Version: 01/2022

product description

Dimensions	2410 x 303 x 10,3 + 2 mm		
Packing	3 boards in each pack = 2,1907 m ² (weight: 22,3 kg)		
Build up	<ul style="list-style-type: none"> • surface layer High pressure decorative laminate. Paper impregnated with melamine & phenol resins. • substrate High Density Fibreboard, HDF WaterResist (moisture resistant). TSCA Title VI compliant. • backing Spantex – engineered balancing foil. • underlay material BerryAlloc SilentSystem, attached to the reversed side of the board. 		
Installation	Glue-less aluminium locking system (AluLoc), installed floating according to the installation instructions.		
Classification	According to EN 685	<ul style="list-style-type: none"> • Class 23: Heavy residential use • Class 34: Very heavy commercial use 	

general requirements

Characteristics	Test standard	Units	Requirements	Typical values
Thickness of the element, t (incl. pre-attached underlay)	EN 13329	mm	$\Delta t_{\text{average}} \leq 0,50$ $t_{\text{max}} - t_{\text{min}} \leq 0,80$	$< 0,20$ $< 0,50$
Length of the surface layer, l	EN 13329	mm	$\Delta l < 0,5$	$< 0,20$
Width of the surface layer, w	EN 13329	mm	$\Delta w_{\text{average}} \leq 0,10$ $w_{\text{max}} - w_{\text{min}} \leq 0,20$	$< 0,05$ $< 0,10$
Squareness of the element, q	EN 13329	mm	$q_{\text{max}} < 0,20$	$< 0,10$
Straightness of the surface layer, s	EN 13329	mm/m	$s_{\text{max}} < 0,30$	$< 0,20$
Flatness of the element width f_w and length f_l	EN 13329	%	$f_{w\text{-concave}} \leq 0,15$ $f_{w\text{-convex}} \leq 0,20$ $f_{l\text{-concave}} \leq 0,50$ $f_{l\text{-convex}} \leq 1,00$	$\leq 0,10$ $\leq 0,15$ $\leq 0,20$ $\leq 0,20$
Openings between elements, o	EN 13329	mm	$o_{\text{average}} \leq 0,15$ $o_{\text{max}} - o_{\text{min}} \leq 0,20$	$< 0,10$ $< 0,15$
Height difference between elements, h	EN 13329	mm	$h_{\text{average}} \leq 0,10$ $h_{\text{max}} - h_{\text{min}} \leq 0,15$	$\leq 0,10$ $\leq 0,15$
Dimensional variations after changes in relative humidity	EN 13329	mm	$\delta l_{\text{average}} \leq 0,9$ $\delta w_{\text{average}} \leq 0,9$	$< 0,50$ $< 0,50$
Light fastness	EN 20105-A01 EN ISO 105-A02	Grade scale Grade scale	Grey scale ≥ 4 Blue wool scale ≥ 6	> 4 > 6
Static indentation	EN 433		No visible change	No visible change
Surface soundness	EN 13329	N/mm ²	$\geq 1,50$	$\geq 1,80$

Definitions:

$$\Delta t_{\text{average}} = |t_{\text{nominal}} - t_{\text{average}}|$$

$$\delta l_{\text{average}} = \text{dimensional variations, l}$$

$$\Delta w_{\text{average}} = |w_{\text{nominal}} - w_{\text{average}}|$$

$$\delta w_{\text{average}} = \text{dimensional variations, w}$$

$$\Delta l = |l_{\text{nominal}} - l_{\text{measured}}|$$

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classification requirements

Characteristics	Test standard	Units	Requirements	Typical values
Abrasion resistance	EN 13329	Revolutions	AC 6: IP > 8.500	IP > 8.500
Impact resistance	EN 13329	mm N	≥ 1600 ≥ 20	≥ 2000 ≥ 25
Resistance to staining	EN 438.2.26	Rating ¹⁾	Group 1, 2 & 3: 5	5
Resistance to cigarette burns	EN 438.2.30	Rating ¹⁾	5	5
Effect of a furniture leg	EN 424		No visible damage when tested with foot type 0	No visible damage
Effect of a castor chair	EN 425		No damage or visible change in appearance at 25.000 rev. with hard wheels (type H)	No damage or visible change in appearance
Thickness swelling	EN 13329	%	≤ 8	≤ 7
Locking strength, short side	ISO 24334	kN/m	$f_{s,0,2} / f_{l,0,2} \geq 3,5$	$f_{0,2} \geq 4,0$ $f_{max} \geq 15,0$
Dimensional variations and stability after exposure to humid and dry climate conditions	ISO 24339	% % mm mm	$d_{w \text{ average}}^d, d_{l \text{ average}}^d \leq 0,15$ $-0,20 \leq C_{\text{average}} \leq 0,25$ $J_{L \text{ max}}^f, J_{S \text{ max}} \leq 0,15$ $h_{L \text{ max}}^f, h_{S \text{ max}} \leq 0,15$	≤ 0,10 ≤ ABS. 0,20 ≤ 0,05 ≤ 0,10

¹⁾ = Rating scale from 1 to 5, where 5 is the best rating = "No visible change".

other technical data

Characteristics	Test standard	Units	Requirements	Typical values
Formaldehyde emission	EN 717-1	mg/m ³	E1: < 0,124	E1: < 0,03
VOC	ENV 13419-2	µg/m ² h	-	< 10 (672 h)
Resistance to scratching	EN 438.2.25	Rating ¹⁾	-	≥ 3
Reaction to fire	EN 13501-1	Class	-	B _{fl} - s1
Thermal resistance	DIN 52612-3	m ² K/W	-	0,13
Step sound reduction	ISO 717-2	dB	-	≥ 19
Humidity	EN 322	%	4-10 ± 1,5 ²⁾	6,0 ± 1,0 ²⁾
Slip resistance	EN 13893	µ	≥ 0,30	≥ 0,50: Slip resistant (DS)
Static electrical propensity	EN 1815	kV Class	< 2,0 -	< 2,0 Antistatic

¹⁾ = Rating scale from 1 to 5, where 5 is the best rating = "No visible change".

²⁾ = Max. tolerance within one shipment.



Certificates:
The product has emission class M1 for building material.
Sustainability of forests: PEFC/03-31-89
Environmental: EPD-BAC-20150179-CBA1-EN
Declaration Of Performance (DOP): 110-GC3420-1

Warranty:
Residential use: Lifetime, Commercial use: 10 years.
For detailed conditions kindly visit www.berryalloc.com.

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Alloc AS, Fiboveien 26 N-4580 Lyngdal, Norway DOP: 110-GC3420-1
EN 14041
Notified Body: 0766
Laminate floor covering Indoor use
Reaction to fire: Bfl-s1
Content of Pentachlorophenol: DL
Formaldehyd emissions: E1
Slip resistance: DS
Electrical behavior (kV): 1.1 - 1.6
Thermal conductivity [W/mK]: 0.13
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ISO 9001 Alloc AS
ISO 14001 Fiboveien 26, N-4580 Lyngdal, Norway

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