

Alveocel LA D225-01

Material: **Alveocel LA D225-01** is an extruded closed cell polyolefin foam. **Alveocel** is manufactured without CFCs and HCFCs and contains neither plasticizers nor heavy metals or other hazardous substances.

Application: **Alveocel LA D225-01** underlay is applicable for floating installation under Click-Vinyl and Click-Design floors.

- Features**
- outstanding sound insulation in combination with excellent impact sound reduction
 - very good compressive strength and dynamic load capacity which guarantee very high durability
 - very low thermal resistance and thus ideal for underfloor heating
 - meets the increased requirements of MMFA
 - recyclable

Technical data

RWS	IS	CS	CC	DL	PCv	RLB	TR	SD	RTF
[%]	[dB]	[kPa]	[kPa]	0.1-75 kPa c ≥ 200'000 Δ d ≤ 0.5 mm	[mm]	[m]	[m² K/W]	[m]	[class]
40	18	≥ 400	≥ 40		0.5	n.p.d.	0.016	75	E _{fl}

Property		Unit	Value	Norm
d:	Thickness of the underlay measured at 100 Pa pre-load	mm	1.0 (±10%)	EN 823 ¹⁾
RWS:	Reflected walking sound • walking sound reduction compared to reference floor covering of 7 mm monolithic DPL laminate board on top of an underlay PE 25-03	%	40	intern, SAAG WS 021029-5 F1
IS:	Impact sound improvement • measured under LVT flooring	dB	18	EN ISO 10140-3 / ISO 717-2
CS:	Compressive strength • tested at 0.5 mm compression under 100 Pa pre-load	kPa	≥ 400	EN 826 ¹⁾
CC:	Compressive creep under long term static load • max. thickness loss of 0.5 mm extrapolated to 10 years	kPa	≥ 40	EN 1606 ¹⁾
DL:	Dynamic load • alternating load cycles from σ _{min} = 0.1 to σ _{max} • number of load cycles • max. deformation / thickness loss Δd	kPa no. cycl. mm	75 ≥ 200.000 ≤ 0.5	EN 13793 ¹⁾
PCv:	Punctual conformability to even out unevenness of subfloor	mm	0,5	EN 16354:2018
RLB:	Resistance to impact by large diameter ball • to be tested on flooring system (underlay+laminat flooring)	m	n.p.d.	EN 13329 Annex F and EN 438 Chapter 21
TR:	Thermal resistance ²⁾ at 24°C mean temperature	m² K/W	0,016	EN 12667 / EN 12664
SD:	Water vapour diffusion resistance of the underlay ³⁾ • diffusion-equivalent air layer thickness, SD-value • acc. EN 12086 method A, measured at 23°C, 0-50% rel. humidity	m	75	EN 12086
	foil-type:	---	---	
WA:	Water absorption by foam	Vol%	< 1	EN 12087
RTF:	Reaction to fire	class	E _{fl}	Test acc. EN ISO 11925-2 classification acc. EN 13501-1, Table 2

n.p.d. = no performance determined

1) Tests done in accordance to the mentioned standards and the modifications listed in document EN 16354:2018.

2) According to the recommendations of "Bundesverband Flächenheizungen und Flächenkühlungen e.V. (BVF)" and EN 1264-3, this underlay is applicable for underfloor heating systems. The total R-value of the complete floor construction of max. 0,15 m² K/W, has to be considered.

3) The water vapour diffusion resistance (SD) value is valid only for the underlay, when the butted click connections are carefully sealed with tape.

Chemical resistance:

- against water, most domestic cleaners, solutions of salt, acids and bases
- partly durable against organic solvents and hydrocarbons

Storage conditions:

- do not store outdoors, protect from exposure of sunlight
- prevent electrostatic discharges, keep away from ignition source, do not smoke!

The information contained herein is correct to the best of our knowledge and is given in good faith. Sekisui Alveo AG assumes no liability for this information. This information implies no warranty or freedom from patent protection. © Sekisui Alveo AG, Luzern, Switzerland. All rights reserved.

No part of this document may be copied or distributed without the express written consent of Sekisui Alveo AG.



SEKISUI ALVEO is extraordinary member of MMFA, the European Multilayer Modular Floorcovering Association, as well as the EPLF, the Association of European manufacturers of laminate floorings.