

preliminary technical data sheet

Alveocel LA D225-01

Material: Alveocel LA D225-01 is an extruded closed cell polyolefin foam. Alveocel is manufactured without CFCs and HCFCs and

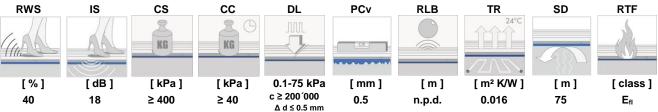
contains neither plasticizers nor heavy metals or other hazardous substances.

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



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Property			Unit	Value	Norm
d:	Thickness of the underlay measured at 100 Pa pre-lo	oad	mm	1.0 (±10%)	EN 823 ¹⁾
RWS:	Reflected walking sound walking sound reduction compared to reference flor covering of 7 mm monolithic DPL laminate board 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 σmin =0.1 to σmax 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+laminate 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) o diffusion-equivalent air layer thickness, SD-value		m	75	EN 12086
	acc. EN 12086 method A, measured at 23°C, 0-50% rel. humidity	foil-type:			
WA:	A: 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

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

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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.