

technical data sheet

Alveocel LA CS D20-02 RAOP

Material: Alveocel LA CS D20-02 RAOP is a closed-cell foam made of high-performance polyolefin. It is produced without CFCs and

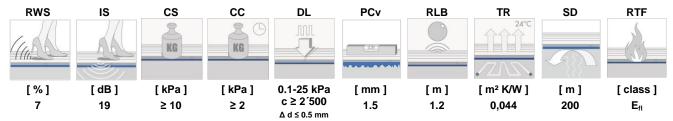
HCFCs and contains neither plasticizers nor heavy metals or other hazardous substances.

Application: Alveocel LA CS D20-02 RAOP underlay is applicable for floating installation under laminate and parquet floorings.

Features: • good impact sound reduction

- · very good conformity which selectively compensates the uneven substrates on floor screed
- with integrated water vapour control layer to avoid moisture diffusion from the subfloor
- recyclable

Technical data



	Property	Unit	Value	Norm
d:	Thickness of the underlay measured at 100 Pa pre-load	mm	2.0 (±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	%	7	intern, SAAG WS 021029-5 F1
IS:	Impact sound improvement • measured under 7 mm laminate flooring	dB	19	EN ISO 10140-3 / EN ISO 717-2
CS:	Compressive strength tested at 0.5 mm compression under 100 Pa pre-load	kPa	≥ 10	EN 826 ¹⁾
CC:	Compressive creep under long term static load max. thickness loss of 0.5 mm extrapolated to 10 years	kPa	≥ 2	EN 1606 ¹⁾
DL:	 Dynamic load alternating load cycles from Omin =0.1 to Omax number of load cycles max. deformation / thickness loss Δd 	kPa no.cycl. mm	25 ≥ 2.500 ≤ 0.5	EN 13793 ¹⁾
PCv:	Punctual conformability to even out uneveness of subfloor	mm	1.5	EN 16354:2018
RLB:	Resistance to impact by large diameter ball • to be tested on flooring system (underlay+laminat flooring)	m	1.2	EN 13329 Annex F and EN 438 Chapter 21
TR:	Thermal resistance 2) at 24°C mean temperature	m² K/W	0,044	EN 12667 / EN 12664
SD:	Water vapour diffusion resistance of the underlay 3) • diffusion-equivalent air layer thickness, SD-value	m	200	EN 12086
	acc. EN 12086 method A, measured at 23°C, 0-50% rel. humidity foil-type		AOP	
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.