



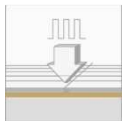


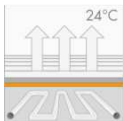




FINFLOOR SILENT ELITE

Material: Chemically crosslinked closed cell polyolefin foam, laminated with a PE film. FINFLOOR SILENT ELITE UNDERLAY is manufactured without CFCs and HCFCs and contains neither plasticizers nor heavy metals or other hazardous substances.

Technical data:

RWS	IS	CS	CC	DL	PCv	RLB	TR	SD	RTF
									
[%]	[dB]	[kPa]	[kPa]	[25 kPa]	[mm]	[m]	[m² K/W]	[m]	[class]
30	20	140	30	100.000	1,4	1	0.053	75	E _{fl}

Property	Unit	Value	Norm
d: Thickness of the underlay measured at 100 Pa pre-load	mm	2 (±10%)	EN 823
Foam colour	grey		
RWS: Reflected walking sound • reduction compared to reference underlay	%	30	EPLF working draft 021029-5 F1
IS: Impact sound improvement • measured under FINFLOOR laminate flooring	dB	20	ISO 140 / 717
CS: Compressive strength • tested at 0.5 mm compression under 100 Pa pre-load	kPa	140	EN 826
CC: Compressive creep under long term static load • max. thickness loss of 0.5 mm extrapolated to 10 years	kPa	30	EN 1606
DL: Dynamic load • number of load cycles at max. deformation ≤ 0.5 mm • alternating cycles from $\sigma_{min} = 100$ Pa to $\sigma_{max} = 25$ kPa	no. of cycles	100.000	EN 13793
PCv: Punctual conformability to even out unevenness of subfloor	mm	1,4	FprCEN TS 16354
RLB: Resistance to impact by large diameter ball • to be tested on flooring system (underlay+laminat flooring)	m	1	EN 13329 Annex F and EN 438 Chapter 21
TR: Thermal resistance ²⁾ at 24°C mean temperature	m² K/W	0,053	EN 12667 / EN 12664
SD: Water vapour diffusion resistance of the underlay ³⁾ • diffusion-equivalent air layer thickness, SD	m	75	EN 12086
UV resistant recyclable alkalies resistant No water absorption No voc emission : A +			

All tests are done according to the mentioned standards and the modifications given in document FprCEN/TS 16354:2011.

According to the recommendations of "Bundesverband Flächenheizungen und Flächenkühlungen e.V. (BVF)" and EN 1264-3 this underlay is recommended for underfloor heating water systems (not recommended for electrical heating systems), due to its low TR value. For an optimal performance of the complete flooring solution, (Tr laminated floor + Tr underlay) < 0,15.

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

Updated : 27/04/2016