



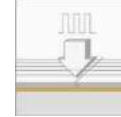

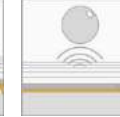
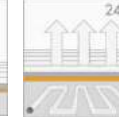

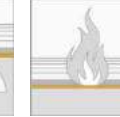


# FINFLOOR SILENT ELITE

**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 <sub>fl</sub>

Property	Unit	Value	Norm
<b>d:</b> Thickness of the underlay measured at 100 Pa pre-load	mm	2 (±10%)	EN 823
<b>Foam colour</b>		grey	
<b>RWS:</b> Reflected walking sound • reduction compared to reference underlay	%	30	EPLF working draft 021029-5 F1
<b>IS:</b> Impact sound improvement • measured under FINFLOOR laminate flooring	dB	20	ISO 140 / 717
<b>CS:</b> Compressive strength • tested at 0.5 mm compression under 100 Pa pre-load	kPa	140	EN 826
<b>CC:</b> Compressive creep under long term static load • max. thickness loss of 0.5 mm extrapolated to 10 years	kPa	30	EN 1606
<b>DL:</b> 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
<b>PCv:</b> Punctual conformability to even out unevenness of subfloor	mm	1,4	FprCEN TS 16354
<b>RLB:</b> 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
<b>TR:</b> Thermal resistance <sup>2)</sup> at 24°C mean temperature	m² K/W	0,053	EN 12667 / EN 12664
<b>SD:</b> Water vapour diffusion resistance of the underlay <sup>3)</sup> • diffusion-equivalent air layer thickness, SD	m	75	EN 12086
<b>UV resistant</b> <b>recyclable</b> <b>alkalies resistant</b> <b>No water absorption</b> <b>No voc emission : A +</b>			

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