

# FINFLOOR THERMO

**Material:** Non crosslinked closed cell polyethylene foam, laminated with a PE film in one side and an aluminized PET film in the other side. FINFLOOR THERMO 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 ]	[ m <sup>2</sup> K/W ]	[ m ]	[ class ]
---	18	20	2	---	1	1,6	0,2	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>	silver grey		
<b>RWS:</b> Reflected walking sound • reduction compared to reference underlay	%	---	EPLF working draft 021029-5 F1
<b>IS:</b> Impact sound improvement • measured under FINFLOOR laminate flooring	dB	18	ISO 140 / 717
<b>CS:</b> Compressive strength • tested at 0.5 mm compression under 100 Pa pre-load	kPa	20	EN 826
<b>CC:</b> Compressive creep under long term static load • max. thickness loss of 0.5 mm extrapolated to 10 years	kPa	2	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	---	EN 13793
<b>PCv:</b> Punctual conformability to even out unevenness of subfloor	mm	1	FprCEN TS 16354
<b>RLB:</b> Resistance to impact by large diameter ball • to be tested on flooring system (underlay+laminat flooring)	m	1,6	EN 13329 Annex F and EN 438 Chapter 21
<b>TR:</b> Thermal resistance <sup>2)</sup> at 24°C mean temperature	m <sup>2</sup> K/W	0,2	EN 12667 / EN 12664
<b>SD:</b> Water vapour diffusion resistance of the underlay <sup>3)</sup> • diffusion-equivalent air layer thickness, S <sub>d</sub>	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 CEN/TS 16354:2011.

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