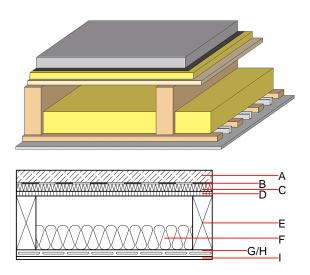
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Intermediate floor - gdrnxa04a-04

intermediate floor, timber frame construction, suspended, wet, without filling, other surface

REI	30
kimum load E _{d,fi} = 3,6	6 kN/m²
U Diffusion	0.27 W∕(m ² K) suitable
R _w (C;C _{tr}) L _{n,w} (C _I)	66(-1;-6) dB 52(0)
m	145.50 kg∕m ²
	REI kimum load E _{d,fi} = 3,6 U Diffusion R _w (C;C _t) L _{n,w} (C _l)



Note: e=625;

Register of building materials used for this application, cross-section (from outside to inside, dimensions in mm)

	Thickness	Building material	Thermal per	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
1	50.0	anhydrite screed or cement screed	0.700	10	2200	1.300	A1
3		plastic separation layer	0.200	100000	1400	1.400	E
:	30.0	impact sound absorbing subflooring MW-T	0.035	1	68	1.030	A1
)	19.0	particleboard	0.130	50 - 100	700	1.700	D
	220.0	construction timber (80/; $e=*$)	0.120	50	450	1.600	D
	100.0	mineral wool [038; ≥33; ≥1000°C]	0.038	1	33	1.030	A1
Ĵ	24.0	spruce wood cladding with spacing of cladding boards(24/100); a=400	0.120	50	450	1.600	D
ł	27.0	resilient channel (placed between open formwork)	0.156				
	12.5	gypsum plaster board type DF or	0.250	10	800	1.050	A2
	12.5	gypsum fibre board	0.320	21	1000	1.100	A2

Sustainability rating (per m²)

Database ecoinvent

42.7

Calculated by HFA

OI3_{Kon}

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Details of sustainability rating

Database ecoinvent

Lifecycle	GWP	AP	EP	ODP	POCP	
(Phases)	[kg CO ₂ -e.]	[kg SO ₂ -e.]	[kg PO ₄ -e.]	[kg R11-e.]	[kg Ethen-e.]	
A1 - A3		0.172	0.076	2,40E-6	0.045	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
	[5,4,1]	[MJ]	[MJ]	[MJ]	[MJ]	[MJ]
(Phases)	[MJ]	נועון	[1413]	[]		

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