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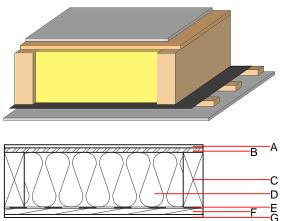
Designation: Last updated: Source: Editor:

ddrtxn01a-07 8/2/23 Holzforschung Austria HFA, SP

Floor towards attic (uninhabitable) - ddrtxn01a-07

floor towards attic (uninhabitable), timber frame construction, not suspended, dry, other surface

Performance ratin	g		
Fire protection performance maximum span = 5 m; m	REI	30	
Classified by HFA	aximum ioau L _{d,fi} – 3,	00 km/ m-	
Thermal performance	U Diffusion	0.23 W/(m ² K) suitable	
Calculated by HFA			
Acoustic performance	R _w (C;C _{tr}) L _{n,w} (C _l)	43(-4;-9) dB	
Assessed by TGM			
Mass per unit area	m	59.60 kg∕m²	
Calculation based on GF			
			Note: e=40



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

	Thickness	Building material	Thermal pe	rformance			Reaction to fire
			λ	µ min – max	ρ	с	EN
`	12.5	gypsum plaster board type DF or	0.250	10	800	1.050	A2
١	12.5	gypsum fibre board	0.320	21	1000	1.100	A2
;	18.0	OSB	0.130	200	600	1.700	D
;	220.0	spruce wood floor joists (80/*); e=*	0.120	50	450	1.600	D
)	220.0	mineral wool [040; ≥16; <1000 °C]	0.040	1	16	1.030	A1
		vapour barrier sd≥ 15m			1000		
	24.0	spruce wood cladding with spacing of cladding boards(24/100); a=400	0.120	50	450	1.600	D
;	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

OI3_{Kon}

Calculated by HFA

22.5

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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		0.111	0.049	2,18E-6	0.023	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
Lifecycle (Phases)	PERE [MJ]	PERM [MJ]	PERT [MJ]	PENRE [MJ]	PENRM [MJ]	PENRT [MJ]

dataholz.eu – Catalogue of timber building materials, components and component connections reviewed to consider thermal, acoustic, fire performance requirements and ecological drivers for timber construction released by accredited testing institutes. These datasheets will generally be accepted as proofs of compliance by building authorities.