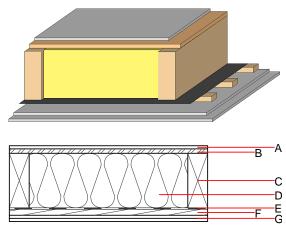
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Designation: ddrtxn01b-04 Last updated: 8/2/23 Source: Editor:

Floor towards attic (uninhabitable) - ddrtxn01b-04

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

Performance rating	I	
Fire protection performance	REI	60
maximum span = 5 m; ma Classified by HFA	ximum load E _{d,fi} = 3,66	5 kN∕m²
Thermal performance	U Diffusion	0.20 W/(m ² K) suitable
Calculated by HFA		
Acoustic performance	R _w (C;C _{tr}) L _{n,w} (C _l)	47(-3;-8) dB
Assessed by TGM		
Mass per unit area	m	65.20 kg⁄m ²
Calculation based on GF		



Holzforschung Austria

HFA, SP

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	formance			Reaction to fire
			λ	µ min – max	ρ	с	EN
٩	12.5	gypsum plaster board type DF or	0.250	10	800	1.050	A2
ł	12.5	gypsum fibre board	0.320	21	1000	1.100	A2
3	18.0	OSB	0.130	200	600	1.700	D
2	220.0	spruce wood floor joists ($80/*$); e=*	0.120	50	450	1.600	D
)	220.0	mineral wool [038; ≥33; ≥1000°C]	0.038	1	33	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
5	25.0	gypsum plaster board type DF (2x12,5 mm) or	0.250	10	800	1.050	A2
;	25.0	gypsum fibre board (2x12,5 mm)	0.320	21	1000	1.100	A2

Sustainability rating (per m²)

Database ecoinvent

OI3_{Kon}

Calculated by HFA

31.8

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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		0.150	0.049	2,03E-6	0.054	
1 if a sural a	PERE	PERM	PERT	PENRE	PENRM	PENRT
Lifecycle	I LILL					
(Phases)	[MJ]	[MJ]	[LM]	[LM]	[MJ]	[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.