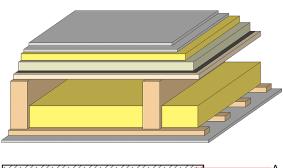
# dataholz.eu

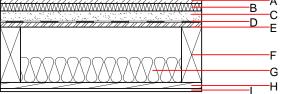
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### Intermediate floor - gdrtxn01a-09

intermediate floor, timber frame construction, not suspended, dry, with filling, other surface

Performance rating						
Fire protection performance	REI	30				
maximum span = 5 m; ma Classified by HFA	aximum load E <sub>d,fi</sub> = 3,0	66 kN∕m²				
Thermal performance	U Diffusion	0.27 W∕(m <sup>2</sup> K) suitable				
Calculated by HFA						
Acoustic performance	R <sub>w</sub> (C;C <sub>tr</sub> ) L <sub>n,w</sub> (C <sub>l</sub> )	59(-6;-13) dB 65(4)				
EPS-F with a dynamic stiff Assessed by TGM	ness of s' $\leq 40$ MN/m	1 <sup>3</sup> .				
Mass per unit area	m	132.70 kg∕m <sup>2</sup>				
Calculation based on GF						





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	25.0	dry screed	0.210	8	900	1.050	A1
3	30.0	Polystyrene EPS-W [0,041]	0.041	20 - 50	15	1.450	E
2	40.0	fill	0.700	1	1800	1.000	A1
D		trickling protection					E
-	18.0	OSB	0.130	200	600	1.700	D
	220.0	construction timber (80/; $e=*$ )	0.120	50	450	1.600	D
5	100.0	mineral wool [040; ≥16; <1000 °C]	0.040	1	16	1.030	A1
1	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 m<sup>2</sup>)

Database ecoinvent

OI3<sub>Kon</sub>

21.0

Calculated by HFA

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#### Details of sustainability rating

#### Database ecoinvent

Lifecycle	GWP	AP	EP	ODP	POCP	
(Phases)	[kg CO <sub>2</sub> -e.]	[kg SO <sub>2</sub> -e.]	[kg PO <sub>4</sub> -e.]	[kg R11-e.]	[kg Ethen-e.]	
A1 - A3		0.091	0.037	1,97E-6	0.022	
Lifecycle	PERE	PERM	PERT	PENRE	PENRM	PENRT
(Phases)	[LM]	[M]	[MJ]	[LM]	[M]	[MJ]
	93.247	455,553	548.800	353.476	33.032	386.507

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